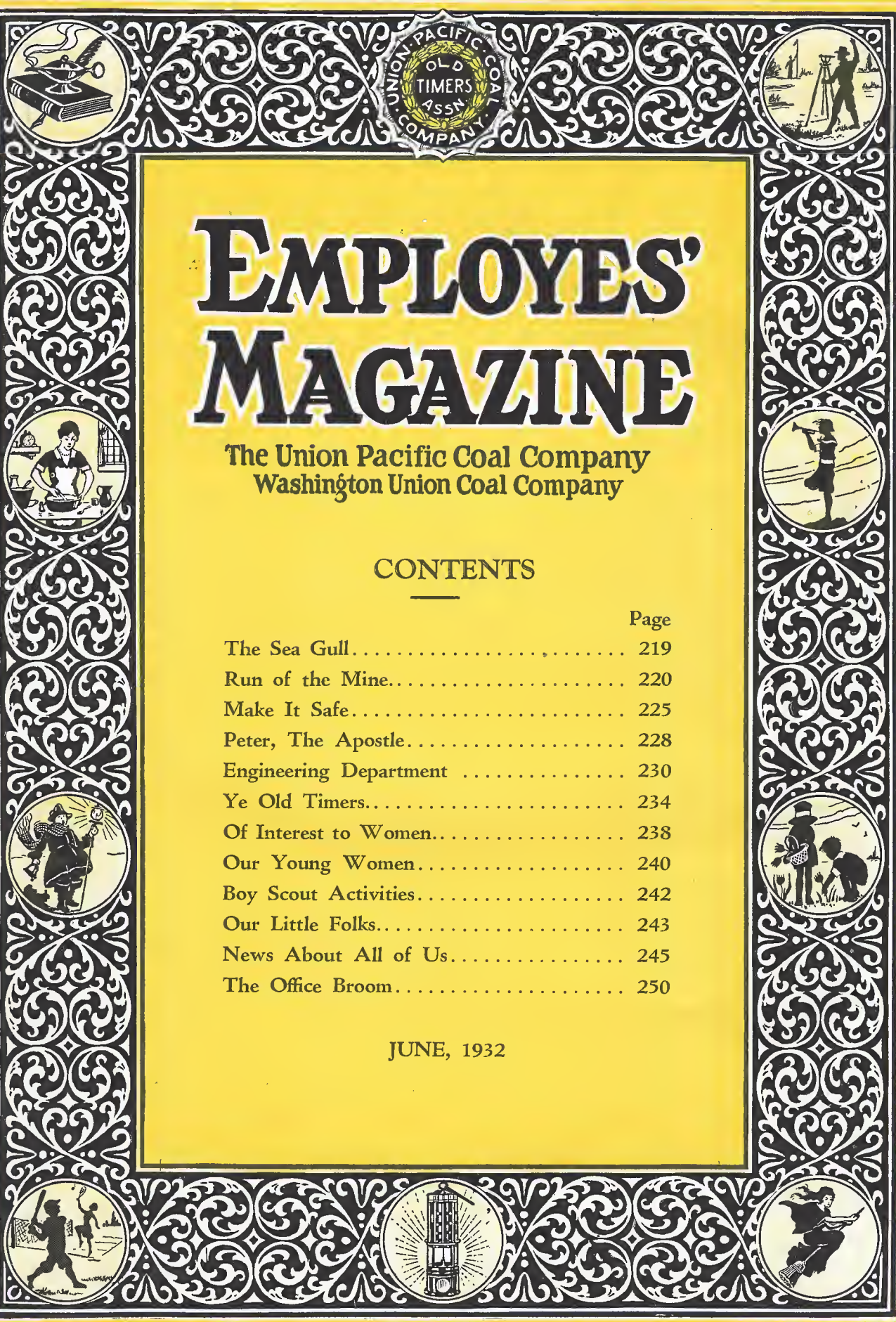


EMPLOYES' MAGAZINE

The Union Pacific Coal Company
Washington Union Coal Company

CONTENTS

	Page
The Sea Gull	219
Run of the Mine	220
Make It Safe	225
Peter, The Apostle	228
Engineering Department	230
Ye Old Timers	234
Of Interest to Women	238
Our Young Women	240
Boy Scout Activities	242
Our Little Folks	243
News About All of Us	245
The Office Broom	250

JUNE, 1932

75% of All Automobile Makers Choose U.S. TIRES FOR THEIR NEW CARS

They must be the best when 75% of all automobile manufacturers . . . choose them. They are first choice without argument.

29 x 4.50 6 Ply Peerless 1 for.....$ 7.25 2 for.....$14.20	28 x 4.75 6 Ply Peerless 1 for.....$ 8.50 2 for.....$16.60
29 x 5.00 6 Ply Peerless 1 for.....$ 8.95 2 for.....$17.25	30 x 5.25 6 Ply Peerless 1 for.....$ 9.95 2 for.....$19.25

4.50x21 U. S. Guard 6 Ply Tires — one for $5.75; two for $11.35

30 x 4.50 U. S. Peerless 6 Ply 1 for.....$ 7.45 2 for.....$14.65	29 x 4.75 Heavy Duty Peerless 1 for.....$ 8.80 2 for.....$16.95	30 x 5.00 6 Ply Peerless 1 for.....$ 9.35 2 for.....$17.95

U. S. TIRES CARRY AN UNLIMITED GUARANTEE

28 x 5.50 Heavy Duty Peerless 1 for.....$11.50 2 for.....$21.95	29 x 5.50 6 Ply U. S. Peerless 1 for.....$11.70 2 for.....$22.50	5.00 x 19 6 Ply U. S. Guard 1 for.....$ 8.65 2 for.....$16.95

THE UNION PACIFIC COAL COMPANY STORES

Rock Springs Reliance — *"Where your dollar is a Big Boy all the time"* — Winton — Superior Hanna

EMPLOYES' MAGAZINE

THE UNION PACIFIC COAL COMPANY

WASHINGTON UNION COAL COMPANY

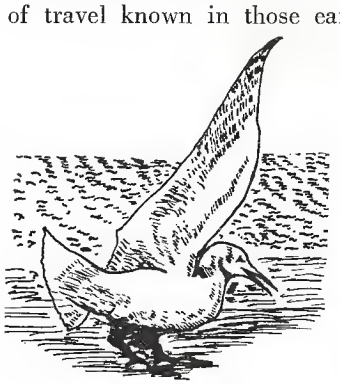
VOLUME 9 | JUNE, 1932 | NUMBER 6

The Sea Gull

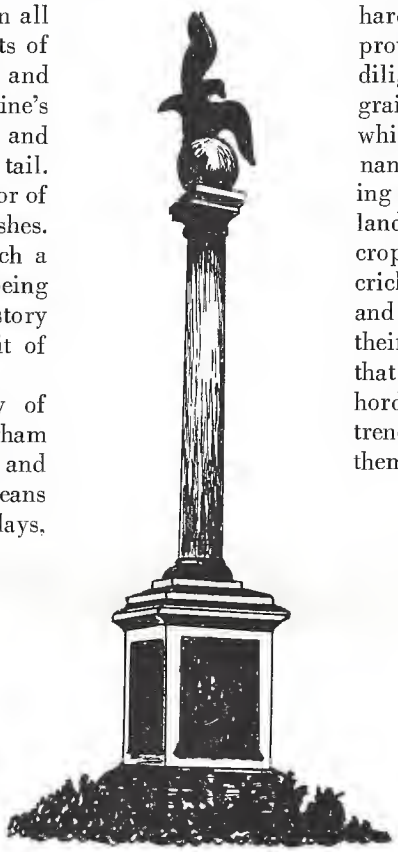
By JAMES R. DEWAR

THE Encyclopedia Britannica states that Gull is the common name of sea-birds of the family Laridae and that the most beautiful of all that specie is the ivory gull, pure white plumage, black legs. There are a great many kinds of gulls and the birds are found in all parts of the world, along the coasts of Britain, Labrador, Japan, Siberia, and the Arctic and Pacific Oceans. Sabine's Gull breeds in the Arctic Ocean and Siberia. This bird has a forked tail. Franklin's Gull inhabits the interior of North America, breeding in marshes. It is the only bird known to which a monument has been built, there being one in Salt Lake City, and the story might be told here for the benefit of those unacquainted therewith.

In the year 1847, a company of brave people, headed by Brigham Young, with push-carts, ox-teams and wagons, horses and such other means of travel known in those early days, reached the summit of the Rocky Mountains overlooking a valley, dry and bare, with the exception of the sage-brush and cacti. In the spring plenty of water came down from the melting snows on the mountain tops and the great Salt Lake laid before them, a large inland sea. This little company had been months in making the long overland journey, many died of illness and hardships while en route, supplies and provisions were about exhausted and diligent efforts were put forth to plant grain, corn, vegetables, etc., from which they could be sure of sustenance. Small irrigation streams diverting some of this fresh water over the lands were put in. The young green crops proved a boon to the army of crickets which covered the gardens and plots, devouring everything in their path. Every means was used that could be thought of, burning the horde with bon-fires, burying them in trenches filled with water, tramping them into the ground, etc., but all proved futile. The people began to despair of their newly located settlement when one day a flapping of wings was heard, their attention drawn



Sea Gull



The Seagull Monument, Salt Lake City, Utah

Brigham Young

The Employes' Magazine is distributed to employes free of cost. Subscription to other than employes $1.50 per year.

Articles of interest to our readers, photographs and sketches suitable for reproduction, are solicited and should be addressed to Editor, Employes' Magazine, Union Pacific Coal Company, Rock Springs, Wyoming.

to a veritable cloud in the sky and an immense flock of sea gulls was discerned flying toward what had been their former green and verdant garden spots. The insects were quickly devoured by the birds and the latter quietly winged back to their former abode, the crops were saved, the people were joyous and in later years their gratitude was shown by the erection of a beautiful monument on the Temple grounds in Salt Lake City, with the Sea Gull surmounting the whole. If the writer mistakes not, a law in Utah forbids the killing of this valuable bird. Upon your next visit to the Capital of that State, it will be interesting and instructive for you to look up this historic relic of the early settlers of that section, recalling the story as herein outlined.

Sea Gulls and Mormons.

Now a word or two further concerning these gulls—they're often found on inland waters, are strong fliers, having long wings, are web-footed and usually remain near land. They fly long distances then drop down in the water to rest. If you've ever been on coastwise or transoceanic vessels, no doubt you have witnessed hundreds following the boat, feeding on the garbage or offal thrown overboard. Their services are also quite valuable about harbors as scavengers. A story extant is that the transatlantic steamers of a Scottish line are not bothered with these birds as nothing is thrown overboard in the way of waste.

Run of the Mine

The Better, Fuller Life

A FEW days ago, Dr. Walter Williams, President of the University of Missouri, a college president who never had an opportunity to attend a college, sat in with the Denver alumni of the University of Missouri, as the guest of honor at a luncheon given in his honor.

Dr. Williams is one of the best loved and best equipped educators in the west. We say best loved because the thousands of boys and girls who passed before his desk in recent years invariably refer to him as "Dean" Williams or "Prexy" Williams, rather than Dr. Williams or President Williams, just because "Dean" Williams as the writer knew him, is just that kind of a man.

Dr. Williams at the luncheon referred to spoke to the Missouri alumni on certain essentials which he referred to in the following language:

"The first is: ADVENTURE.

"The spirit of adventure which has led mankind out and away from the primitive darkness and slime to the highway of science and service.

"The spirit of adventure, which urges youth to look ahead and takes him across the threshold of today, should be encouraged by parents and teachers."

"Second: ROMANCE.

"Life at best needs brightening and sweetening. Romance, which relies for full flowering on the imaginative habit of mind, which gives play to feelings and luster to reality, can be depended on to smooth the rough edges and drain the bitter from life's cup.

"So let us not forswear romance even in this forthright era."

"Third: REALITY.

"In the onward rush of life that which is real is too frequently forgotten.

"By casting reality aside, humanity may find itself stranded. What it needs today is to face reality fearlessly; to establish worthy standards of conduct and living; to stop shamming; to be honest, first of all, with ourselves; to admit that character in the man is more essential than wealth in the bank; to be courageous."

"Fourth: PERMANENCY.

"Because we are living in today is no excuse for despising what was good yesterday. Honor. Loyalty. Honesty. Square dealing. Truthful-

ness. Faith in what is good. Contempt for what is bad. These are things of permanent value and bear no date. Education, pursuing what is new, has too frequently overlooked the value in what seems old."

"Fifth: ASPIRATION.

"It is important that we should encourage youth to look up, to aspire to be something more than he is; to set high standards and definite goals and give him educational guidance regarding the best ways to take."

"Sixth: DEMOCRACY.

"By using this word I do not mean 'democracy' in its political, but in its ethical sense. Democracy in education is that which assures to the boy who builds my furnace fires and does other chores for a living the same chance to get on and up that is given the boy who comes to college with too much money, or an important name, or of high social place. It is the sort of democracy which makes beauty available to all; which offers science and the arts to each alike; which insures education to every child and develops his ability to enjoy it.

"We are living in a world of stark reality in which education must assume responsibility as guide."

We commend the six suggestions made by "Dean" Williams as applicable to all men in whatever station they may occupy.

The Decline In Commodity Prices

WE ARE publishing herewith a chart put out by The New York Times under date of May 15th, showing the tremendous fluctuations in the price of basic commodities 1852 to 1932, the chart prepared by the U. S. Department of Labor.

In mid-summer, 1929, commodity prices started downward, quietly in the beginning, to gain momentum later on with intervening fluctuations and changes in speed. The average shrinkage in the value of 784 commodities included in the chart is 32.1 per cent, the shrinkage in the short but acute panic of 1907-08 but 8 per cent, the fall in the depression of 1920-21, however, 45.3 per cent. The fall of 1920-21 represented a readjustment from highy inflated war prices, accentuated by the enforced sale of tremendous volumes of war material under contract, completed and partially completed.

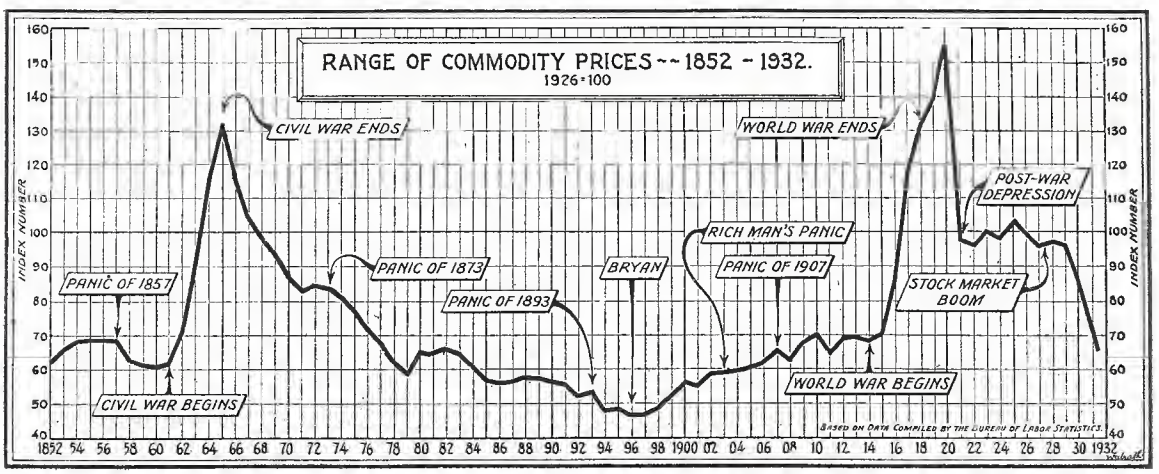
The deflation of 1907-08 lasted 4 months, that of 1920-21 lasted 20 months, while the present deflation, the longest ever experienced, has continued over a period of 34 months.

Farm products have fallen 52.9 per cent, hides and leather 31.8 per cent, boots and shoes 16.6 per cent, woolen goods 35.1 per cent, silk and rayon 53.5 per cent, lumber 29.3 per cent, brick 11.1 per cent, petroleum 47.3 per cent, anthracite coal, however, picking up 6.4 per cent.

In recent years, various governments have attempted to flout the law of supply and demand with disastrous results. The Brazilian states undertook to buy up and store surplus coffee, their purchases totalling 25 million bags. More recently, this stored coffee is being burned for fuel, the producers seizing on the situation as an excuse for increasing their production. Our friends, the Japanese, furnished means to purchase 85,000 bales of silk, and the United States through our Federal Farm Board, bought up and stored 329,641,052 bushels of wheat and 1,319,809 bales of cotton, the price paid for these commodities ranging from 50 to 150 per cent above the present level.

Every one of these artificial expedients has occasioned damage to the industries they sought to help. Japan has dumped its silk, Brazil is destroying by fire for fuel purposes one million bags of coffee a month, and the stocks of wheat and cotton held by the United States Government represent a menace to both the wheat and the cotton industry.

It is true that much of the surplus material



which has been stored might be used if it could be put into the hands of certain portions of our population, but the fact remains that nearly all of our unemployed are receiving food, clothing and shelter, though the measure of same is often meager. Relief measures, whether originating through private charity or legislation, are usually temporary and seldom permanently constructive. The truth is that as a nation and incidentally as a world, we developed through war demand most extraordinary ideas of wealth, prosperity and quantity; forgetful of the fact that when we were rebuilding cities, giving every adult an automobile with the promise of another one, piling up educational institutions for youths who did not wish to be educated, with a thousand other luxuries extending from silk undies that weigh one-half ounce per garment, to victrolas and expensive vacations, we were totally forgetful of the fact that man's progress through six thousand years has been slow, sometimes discouraging, and that every extraordinary burst of speed attempted, such as we indulged in during the post-war period, was invariably followed by a period of slipping backward, the race invariably finding itself moved forward again, employing some of the conservatism that was lost sight of during the period of intoxication.

In substance, we mortgaged our property, our labor, and our future as a result of war inflation and war hysteria, and we are today merely paying off our debts, and if the future is to be judged by the past, we should start to move forward in the not remote future.

Mine Workers' Assessments in 1931

IN THE May, 1931, Employes Magazine an analysis of "cost per man shift" and "cost per ton of coal mined" for general Union and hospital expense was presented, the total Union check-off for Union and hospital expense, year 1930, $.3442 per Union man shift worked. When reduced to cost per ton, the two items totalled 5.23 cents.

We are publishing herewith similar figures for the calendar year 1931, which shows that the total Union check-off was $.40 per Union man shift worked, the total Union check-off amounting to 5.7 cents per ton of coal mined.

Additional sums were paid into the hospital association by certain non-Union employes of the Coal Company. However, the sums so paid, as well as the man shifts worked, are excluded from the computation, the figures shown relating to Union collections only, plus the agreed contribution to the hospital fund of one-half cent per ton of coal mined, paid by the Coal Company.

THE UNION PACIFIC COAL COMPANY
YEAR 1931

Total man shifts worked	352,403
Tons mined, 1931	2,453,527
Checked off for Local Unions	$ 77,503.31
Checked off for Hospital Expense	63,544.17
Paid by Coal Company to Hospital Fund	12,267.70
Total	$153,315.18
Cost per Man Shift—	
Local Union Check-Off	$ .219
For Hospital Expense	.181
Total Union Check-Off	$ .400
Paid by Coal Company to Hospital Fund	.034
Grand Total per Man Shift	$ .434
Cost per Ton Coal Mined—	
Local Union Check-Off	$ .031
For Hospital Expense	.026
Total Union Check-Off	$ .057
Paid by Coal Company to Hospital Fund	.005
Grand Total per Ton	$ .062

What the Sparrow Said

THE Wyoming State Tribune," published at Cheyenne, in its issue of May 4th, carried an editorial that must have arrested the attention of those fortunate enough to see it.

The writer of the editorial must have been in a rare frame of mind when he "held converse" with the sparrow, on what we are sure was a mild May morning, without wind. Doubtless, the editor had just left the breakfast table after partaking of his usual orange juice, bacon and eggs, and "another cup, please." Perhaps likewise, his wife had failed to pull his necktie about, or even attempt to charge his overloaded brain with a flock of errands, and so he doubtless went out from his home feeling kindly toward all the world. We commend the article to our readers as a fine piece of editorial work, one which in the closing paragraph "says a mouthful."

> We held converse this morning with a sparrow.
>
> He (we assume that it was a he inasmuch as it's not customary for ladies to address perfect strangers on the street, even in this period of free and easy manners), flitted down to the

step-plate of an automobile, surveyed us warily, apparently concluded we were harmless, squared off and addressed us thus, to-wit:

"Chirp."

"Chirp, yourself," we responded with our customary facility in repartee.

"Chirp," he said, with rising inflection.

"Maybe," we replied, "maybe not—what's on your chest?"

"Cheep," said he, "cheep, cheep."

"What?" said we.

"Cheep chirp," he responded.

"Sure," we agreed, "a chirp's always cheap. We pull 'em right out of the air. They don't cost a cent. And some times we write 'em down and get money for 'em. We'll say they're cheap—if you don't happen to be buying them."

He cocked his head saucily, regarded us roguishly with one eye, flirted his tail, flipped into the air and was gone with a parting—well, it may have been "Chirp" but it sounded suspiciously like "Nerts."

Despite our suspicion of flippant discourtesy, even of irreverence for a theoretically superior being, we found that exchange edifying.

We got out of what the sparrow said—whatever it was that he said—fully as much as we have out of many a long-winded political speech.

How Much Is There to Divide?

A RECENT set-up of debts now owed by the people of the United States shows the following situation:

Owed By	*Billions*
Federal Government	18
State Governments	13
Local Governments	14
Total Government Debt	45
By Railroads	12.5
By Corporations	60
City Mortgages	32.5
Farm Mortgages	9.5
Grand Total	159.5

The total of all taxes to be paid in 1932 will approximate 14 billions; interest on debts will be not less than 7.5 billions; these two items, disregarding sinking fund payments, total 21.5 billions. In 1931, the nation's income was 51 billions; it is not reasonable to expect that the income for 1932 will materially exceed 35 billions, which will leave 120 million people $291 per capita with which to pay taxes and interest—and live.

Even though the national income exceeds 35 billion, the fact remains that we are spending too much for taxes, a situation that must be corrected if the nation is to go forward.

Mechanical Loading of Coal, 1931

REGARDLESS of the fact that the total production of bituminous coal in the United States fell off heavily last year, the tonnage loaded mechanically increased from 46,982,000 tons in 1930 to 47,584,000 tons in 1931. In substance, hand loading fell off 21.5 per cent while mechanical loading increased 1.3 per cent. Of the total tonnage handled mechanically, 40.8 per cent was loaded by mobile loading machines, 3.1 per cent by scraper loaders, and 56.1 per cent by pit car loaders and conveyors, including Duckbills.

The U. S. Bureau of Mines has compiled statistics covering bituminous coal loaded mechanically since 1923, the growth of tonnage shown below:

Year	*Tons*	*Ratio*
1923	1,880,000	100 per cent
1924	3,496,000	186 " "
1925	6,148,000	327 " "
1926	10,022,000	533 " "
1927	14,559,000	773 " "
1928	21,559,000	1,146 " "
1929	37,854,000	2,013 " "
1930	46,982,000	2,499 " "
1931	47,584,000	2,531 " "

The figures for 1931 shown above do not include approximately 18,000,000 tons loaded by power shovels in strip pits; neither has 4,253,000 net tons of anthracite loaded mechanically in 1931 been taken into account.

Mechanical loading of coal will continue to grow just as has the shift to mechanics in the factory, the office, and even the home. There are few homes today that do not include several mechanical devices—mechanical stokers, mechanical-driven ice boxes, washers, fans, etc. Perhaps 95 per cent of the nation's bread is now made by machinery.

Who Owns the Corporations?

THE equivalent of one out of every forty-nine persons in the United States was a holder of stock in one or more of twenty-six leading industries at the end of 1931, according to a survey just finished by Administrative & Research Corporation, New York. This figure compares with one out of every fifty-seven in 1930.

The research shows a total of 2,497,501 stockholders in the twenty-six companies in 1931, as against 2,209,193 in 1930.

Capital stock, whether of good, bad or indifferent value, usually represents cash paid by some one to the company issuing same. If the money so paid is properly invested, the stockholder is entitled to a return. Millions of dollars have been and yet are being paid for useless stocks by the American people, the issuing companies seldom listed and usually of short life. The twenty-six industries studied by the Administrative & Research Corporation are sound and wholesomely managed.

Britain's Drink Bill

WE DO not know just what it costs the American people for intoxicants as no statistics are maintained by the government, the estimates put out varying widely, and very much colored by the opinions of those making the figures.

Great Britain does keep a record of the nation's drink bill, which totaled in 1931 the magnificent sum of 259,357,000 pounds, which reduced to American money equals $1,261,771,805. This sum, when divided by the adult population, 30,512,600. including those who drink heavily, drink moderately, and who are "teetotalers", suggests an average annual drink bill of 8 pounds and 10 shillings, or $41.30 for each adult Britisher. Whatever we may think of intoxicants, we confess the British drink bill which was reduced nearly $90,000,000 last year, is yet pretty heavy. The figures quoted are taken from "The Manchester Guardian Weekly," a very dependable British newspaper.

Tono's Safety Performance

ON MAY 12, 1932, the Tono mine of the Washington Union Coal Company, located at Tono. Washington, passed its fifth consecutive year without a fatal accident, during which time 974,106 tons of coal were produced and 1,267,800 man hours were worked.

Joyously happy over this performance, Manager William Hann writes that the Tono First Aid Team is busy practicing for the Inter-Company Meet to be held at Rock Springs June 10. Mr. Hann further coyly expressed his desire that the "best team win", with the added suggestion that "this, of course, should be Tono".

It behooves the men from the "mile high plus" country to get busy if Colonel Hann and his crack team do not take the big cup back to Tono with them for the third and final time.

Our First Student

MANUEL J. GRILLOS, of Rock Springs, who received the first mining engineering scholarship instituted by The Union Pacific Coal Company, graduated with the degree of Bachelor of Science from the School of Mining and Metallurgy, University of Missouri, at Rolla, Missouri, May 21.

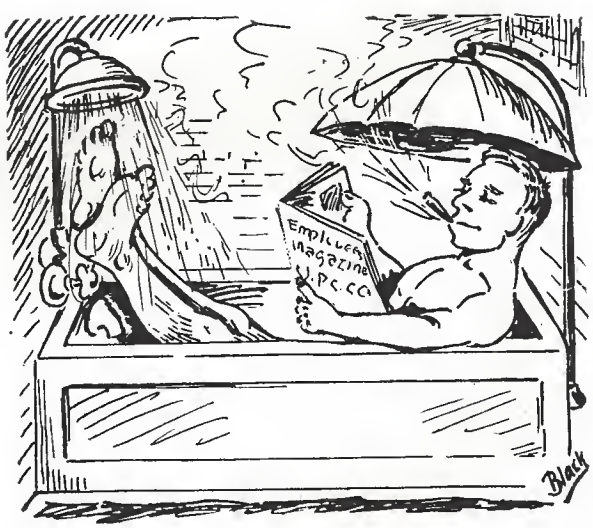
"Mike", as the young man is better known, is the son of Mr. John Grillos of 840 Seventh Street, Rock Springs, an old and valued employe of the Company. The young man attended Rock Springs High School, graduating therefrom four years ago. completing his mining engineering scholarship with a very creditable scholastic record.

In the years to come, Mr. Grillos will continue to occupy the position among our scholarship representatives as the "first born" and his many friends wish him a long and successful career.

The Annual Garden Contest

Did you read the short article in the May issue on starting a garden, and mayhap in the fall being chosen as one of the winners in the annual awards allotted to each mining district? Haven't you ever experienced a thrill in looking over your neighbor's fence at his fine floral or vegetable layout and received sufficient enthusiasm to "go and do likewise"?

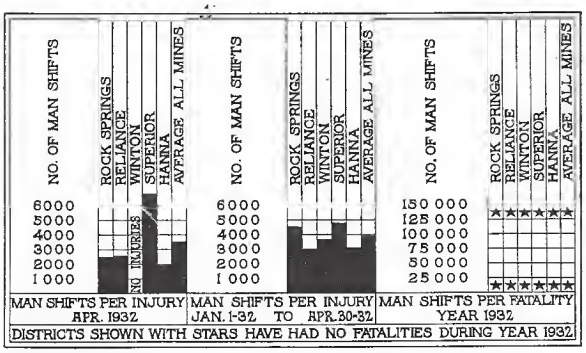
It will make your spring and summer mean something more, and each succeeding season you will "get the urge" to go out and plant your own garden, receiving the "huge kick" it has always given the writer.



Saturday night's the night I hate,
When you sit outside and wait, and wait
Until pa's had his bath and ma's had her'n,
And I wonder and wonder when 'twill come my turn. —*From Mueller Record.*

Make It Safe

April Accident Graph



IN APRIL several of the mines worked the entire month without having a lost time accident. They are as follows: Rock Springs No. 8 Mine, Superior "B" and "C" Mines, Hanna Nos. 2 and 6 Mines. All districts, General Outside, with the exception of Rock Springs, had a no accident month.

From the above, it may appear that a good safety record was made in April, but now read the other side of the story.

Rock Springs No. 4 Mine had 2 serious injuries, the estimated period of disability being 70 days and the General Outside one serious injury, causing a loss of 10 days, a total of 80 days loss of time charged against this district.

Reliance No. 1 Mine, 1 serious injury with an estimated period of disability of 42 days.

Winton No. 1 Mine, 1 minor injury causing 5 days lost time.

Superior "E" Mine, 1 serious injury, having an estimated period of disability set at 42 days.

Hanna No. 4 Mine, 2 serious injuries, one causing a loss of 13 days, the other with an estimated period of 35 days, or a total of 48 days lost time. These 8 injuries caused a loss of time, actual and estimated at 217 days. Again let us take note that this represents a loss in earnings of $1,627.50, assuming $7.50 as the average day's wage. While the pocket book suffers when there is a personal injury, there are many others who suffer. First, there is the injured person, who suffers the pain and humiliation of being injured (although some men seem to be proud if they can sport a new pair of crutches, colored glasses and triangular slings.) Second, the injured person's family also have to go without many pleasures and necessities of life because of decreased earnings.

This could run on indefinitely, but why be injured, when we have eyes to see with, ears to hear with, a head to THINK with, hands to do with. Again it must be stated that the desire, determination, and will, must be there before accidents are stopped.

For the coming month, let everybody get behind the wheel and avoid accidents. It can be done. While we slipped in April, there being 1898 less manshifts worked per injury, we certainly can do better if we try that much harder to keep from getting injured.

BY MINES

MONTH OF APRIL

Place	*Man-shifts*	*Injuries*	*Man-shifts Per Injury*
Rock Springs No. 4..	2,304	2	1,152
Rock Springs No. 8..	3,794	0	No Injury
Rock Springs Outside	1,436	1	1,436
Reliance No. 1.....	1,919	1	1,919
Reliance Outside....	680	0	No Injury
Winton No. 1.....	3,118	0	No Injury
Winton Outside	867	0	No Injury

SERIOUS AND MINOR ACCIDENTS IN APRIL, 1932

Name	*Nature of Injury*	*Period of Disability*	*District*
Arthur Clegg	Partial fracture of right collar bone.	Est. 35 days	Rock Springs No. 4 Mine
William Welsh, Jr.	Fracture of two toes of right foot.	Est. 35 days	Rock Springs No. 4 Mine
William McMillan	Contusion and laceration, right side of head behind the ear.	10 days	Rock Springs, Outside
Nick Manatos	Fracture of fifth rib, left side.	Est. 42 days	Reliance No. 1 Mine
Tony Splich	Contusion of left leg below knee.	5 days	Winton No. 1 Mine
Harry Ritchie	Fracture of left collar bone.	Est. 42 days	Superior "E" Mine
Eli Kumpala	Lacerated thumb, right hand.	13 days	Hanna No. 4 Mine
James Meekin	Severe bruise and ruptured blood vessels of calf of right leg.	Est. 35 days	Hanna No. 4 Mine

Total number of days, actual and estimated....217 days

Superior "B"	1,822	0	No Injury
Superior "C"	1,750	0	No Injury
Superior "D"	30	0	No Injury
Superior "E"	1,884	1	1,884
Superior Outside	1,330	0	No Injury
Hanna No. 2.....	609	0	No Injury
Hanna No. 4.....	1,698	2	849
Hanna No. 6.....	138	0	No Injury
Hanna Outside	1,471	0	No Injury

PERIOD JANUARY 1 TO APRIL 30, 1932

Place	*Man-shifts*	*Injuries*	*Man-shifts Per Injury*
Rock Springs No. 4..	10,033	3	3,344
Rock Springs No. 8..	15,333	3	5,111
Rock Springs Outside	6,387	1	6,387
Reliance No. 1.....	8,901	3	2,967
Reliance Outside ...	2,947	1	2,947
Winton No. 1.....	14,518	5	2,904
Winton Outside.....	3,795	0	No Injury
Superior "B".....	7,516	1	7,516
Superior "C".....	7,329	1	7,329
Superior "D".....	123	0	No Injury
Superior "E".....	8,157	3	2,719
Superior Outside ...	5,484	1	5,484
Hanna No. 2.....	3,132	2	1,566
Hanna No. 4.....	8,079	4	2,020
Hanna No. 6.....	605	0	No Injury
Hanna Outside	6,646	0	No Injury

BY DISTRICTS

MONTH OF APRIL

Place	*Man-shifts*	*Injuries*	*Man-shifts Per Injury*
Rock Springs.....	7,534	3	2,511
Reliance	2,599	1	2,599
Winton	3,985	0	No Injury
Superior	6,816	1	6,816
Hanna	3,916	2	1,958
All Districts.....	24,850	7	3,550

PERIOD JANUARY 1 TO APRIL 30, 1932

Rock Springs	31,753	7	4,536
Reliance	11,848	4	2,962
Winton	18,313	5	3,663
Superior	28,609	6	4,768
Hanna	18,462	6	3,077
	108,985	28	3,892

Skullgards Prevent Two Serious Injuries

On April 30th and May 5th, Skullgards again prevented two workmen from being seriously injured in Reliance Nos. 1 and 4 Mines.

Mike Zagaris, a driller in No. 4 Mine, was drilling a round of holes when his drill struck a sulphur nodule and stalled. This caused the drilling machine to be jerked out of his hands and before he could get in "the clear" one of the drill handles struck him a severe blow on the head, breaking his "Skullgard", but Mike was uninjured. He considers himself very lucky in not being painfully injured nor causing his section to have a lost-time injury.

Left—Mike Zagaris, Driller, Reliance No. 4 Mine. Right—Nick Knezevich, Miner, Reliance No. 1 Mine.

A few days later, Nick Knezevich, a miner in No. 1 Mine, was busily loading coal into a pit car. Just as he stooped over for a shovelful of coal, a piece of coal weighing about 2 pounds burst from the face and struck him a severe blow on the top and side of the head. Again the "Skullgard" prevented a serious injury, for Nick continued at his work and lost no time.

Both of these accidents had possibilities of causing serious injuries, probably fractured skulls, and severe scalp lacerations, with a large amount of lost time, all of which are costly, and painful to the man who receives them.

It may be added that Mike and Nick are loyal boosters for the "Skullgard".

It's Always Night Through A Glass Eye

Goggles are made to be worn. And to be worn, not in the pocket, or on the workbench, or in the locker, but right snug up on the bridge of the nose.

No sane man can doubt the wisdom of wearing goggles while doing work which involves eye hazards. Folks used to say that goggles were uncomfortable and objected to them for that reason. Come to think about it, a diving suit is rather uncomfortable too, yet no diver—in his right mind—would think of going down into the ocean without one.

One of these chaps who used to complain about his goggles now considers them the best part of his working equipment. Recently a considerable quantity of babbitt metal splashed all over his goggles. He yanked them off and saw that they were a mess. The point is that he could still SEE THEM even if he could not see THROUGH THEM!

Every worker should wear goggles when chip-

ping, grinding, chiseling, riveting, welding, babbitting, air blowing, operating a machine, pouring molten metal, handling chemicals, sand blasting, and at all other tasks where there is danger of eye injury.

Some organizations, notably the Pullman Company of Chicago, insists that its employes wear goggles ALL the time on ALL jobs.

—*Shorty Sez Series, No. 7, National Safety Council.*

April Injuries

ARTHUR CLEGG—*Miner—Rock Springs No. 4 Mine.* Partial fracture of right collar bone. Period of disability estimated 35 days. In attempting to couple cars for the motorman, he reached in between the cars to align the link, and was squeezed between the cars. This accident could have been avoided had the injured followed Safety Rule No. 8, page 13—"Drivers and Snubbers must not attempt to couple cars until all cars have come to a full stop." Motormen should also be extremely careful to see that trip is under full control while men are coupling trips.

WILLIAM WELSH, JR.—*Miner and Driver—Rock Springs No. 4 Mine.* Fracture of two toes, right foot. Period of disability estimated 35 days. While taking a car from the entry, up into a room, the horse stopped at the room switch and derailed the car. In attempting to lift the car onto the track with the horse still hitched to the car, the horse started up and the car bumper fell on his foot. This is a dangerous practice, and no driver should ever attempt to rerail a car with an animal hitched to it. This accident was avoidable.

WILLIAM MCMILLAN—*Laborer—Rock Springs, General Outside.* Contusion and slight laceration on side of head back of the ear. Period of disability, 10 days. Was bumping a tight car onto the rotary rock dump with a prop, and as the car was dumped the prop struck him along side of the head, rendering him unconscious and causing considerable shock. This accident was unforeseen before it happened, but measures have been taken to prevent a recurrence.

NICK MANATOS—*Miner—Reliance No. 1 Mine.* Fracture of fifth rib, right side. Period of disability estimated 42 days. While attempting to unhook the tail chain from two cars that the driver had delivered to his place, the animal turned and squeezed him against the side of the car. This accident was avoidable. In the first place, it is the driver's duty to unhook the tail chain from a car, and, second, a miner should be more careful so that he will not get injured while a driver is snubbing a car in his working place.

(Please turn to page 239)

Don't Forget the Big

First Aid Field Day

Friday, June 10th, 1932

OLD TIMERS' BUILDING ROCK SPRINGS

Program

9:00 A. M.—All contesting teams, Men's Teams, Boy and Girl Scout First Aid Teams, will assemble at the First Aid Hall, opposite the Union Pacific Freight Depot in Rock Springs. Led by the Rock Springs Band, the parade will form and march through town to the Old Timers' Building.

9:30 A. M.—First Aid Contest for Boy and Girl Scouts.

12:00 to 2:00 P. M.—Noon, recess for lunch.

2:15 P. M.—First Aid Contest for Men's Teams.

6:00 P. M.—Banquet at Rock Springs Community Hall for Boy and Girl Scouts.

Prizes for winners in Boy and Girl Scout First Aid Contests will be awarded immediately following the contest.

Those for Adult First Aid Teams will be awarded at Old Timers' Building the same afternoon.

Mr. Scott Turner, Director, United States Bureau of Mines, Washington, D. C., will also make presentation of the Certificates of Merit to the officials of Superior "C" Mine and Mine No. 4, Rock Springs.

Note: All contesting First Aid Teams should have their equipment and First Aid Boxes at the Old Timers' Building not later than 4:00 P. M., Thursday, June 9, 1932.

Peter, the Apostle---The Last Supper

By A LAYMAN

TO TELL the full story of that most contradictory character of all of Christ's Apostles would many times exceed our allotted space. In a previous chapter, we told how Andrew, the fisherman, brought Simon, his brother, also a fisherman, from the shores of the Lake of Gennesaret to Jesus.

It was on the day following the baptism of Jesus by John the Baptist, that John said to Andrew and his brother, Simon, sons of John, in the hearing of Jesus, "Behold the Lamb of God."

"John I, 19-51.

And the two disciples heard him speak and they followed Jesus.

And Jesus turned, and beheld them following, and saith unto them, What seek ye?

And they said unto him, Rabbi (which is to say, being interpreted, Master), where abidest thou?

He saith unto them, Come and ye shall see.

They came therefore and saw where he abode; and they abode with him that day: it was about the tenth hour.

One of the two that heard John speak, and followed him, was Andrew, Simon Peter's brother. He findeth first his own brother Simon, and saith unto him, We have found the Messiah (which is, being interpreted, Christ).

He brought him unto Jesus. Jesus looked upon him, and said, Thou art Simon the son of John; thou shalt be called Cephas (which is by interpretation, Peter)."

The word Cephas in Hebrew signifies a stone. There was ever a depth of meaning in the utterances of Jesus. Doubtless, all the weaknesses of the gruff, impulsive fisherman, were instantly discernible to the wondrous mind of the Master. He knew that the man whose name He changed from Simon to Peter would cause him sorrow, humiliation, bitterness. Doubtless He knew that this man whom He called a "rock" would more than once prove a coward, that he in his arrogance would even essay to rebuke the Master. But Jesus with His ability to look into the future, which was but one of His many divine attributes, saw in Peter qualities that once aroused, would enable the intractable fisherman to carry on the work of salvation when Jesus as a man was no more; not only to carry on courageously and without faltering, but to die at the last as died the Master.

The Apostle's first evidence of weakness occurred when a party of fishermen, among which was Peter, were trying to make the shelter of Capernaum in a tempest, which nearly sank their frail vessel. During the fourth watch of the night, from three to six in the morning, when the rowers were all but exhausted, they saw some one afar off, walking on the waters toward them. Believing that the figure they saw was a phantom, the forerunner of death, they cried out in terror. In a moment, the familiar voice of Jesus came to their ears over the raging sea, "It is I, fear not." Then the impetuous, doubting Peter cried out:

"Mark XIV, 28-32.

Lord, if it be thou, bid me come unto thee upon the waters. And He said, Come.

And Peter went down from the boat, and walked upon the waters, to come to Jesus. But when he saw the wind, he was afraid: and beginning to sink, he cried out, saying, Lord save me.

And immediately Jesus stretched forth his hand and took hold of him, and saith unto him, O thou of little faith, wherefore didst thou doubt? And when they were gone up into the boat, the wind ceased."

The doubt that filled the soul of Peter in the grey dawn of that stormy morning when he and his companions faced death on the Lake of Gennesaret, was destined to assail him many times thereafter.

It was at The Last Supper, when Jesus celebrated the Judaic ritual of The Passover for the last time, that Peter again showed his thoughtless, fiery impetuosity. Jesus sat at the table with The Twelve about Him, and when the moment prescribed by the sacred ritual in which the guests were commanded to purify their bodies, came, Jesus arose from the table, laid aside His garments and took up a towel and an empty basin, and filling the basin with water with His own Hands, He made ready to wash the feet of His Disciples, and to wipe them with the towel which He had tied about His loins.

"John XIII, 2-22.

So he cometh to Simon Peter.

He saith unto him, Lord, dost thou wash my feet?

Jesus answered and said unto him. What I do thou knowest not now; but thou shalt understand hereafter.

Peter saith unto him, Thou shalt never wash my feet.

Jesus answered him, If I wash thee not, thou hast no part with me.

Simon Peter saith unto him, Lord, not my feet only, but also my hands and my head.

Jesus saith to him, He that is bathed needeth not save to wash his feet, but is clean every whit; and ye are clean, but not all.

For He knew him that should betray him; therefore said He, Ye are not all clean.

So when He had washed their feet, and taken His garments, and sat down again, he said unto them, Know ye what I have done to you? Ye call me, Master, and, Lord; and ye say well; for so I am. If I then, the Lord and the

Master, have washed your feet, ye also ought to wash one another's feet. For I have given you an example, that ye also should do as I have done to you.

Verily, verily, I say unto you, A servant is not greater than his lord; neither one that is sent greater than he that sent him. If ye know these things, blessed are ye if ye do them."

When the interruption occasioned by Peter had passed, Jesus and The Twelve proceeded with the supper. When the meal was drawing to a close and while all were yet at the table. Jesus took one of the loaves of unleavened bread, and having given thanks He blessed it. The Ritual of The Passover commanded that all bread should be broken before it was eaten, and so Jesus parted that which was in His hands and offered the fragments to The Twelve:

"For in the night in which He was betrayed, He took bread: and when He had given thanks, He brake it, and gave it to His Disciples, saying, Take, eat, this is my Body which is given for you; do this in remembrance of me. Likewise, after supper, He took the cup; and when He had given thanks, He gave it to them, saying, Drink ye all of this; for this is my Blood of The New Testament, which is shed for you, and for many, for the remission of sins; do this as oft as ye shall drink it, in remembrance of me."

And so it was that Peter, lacking the sense of proportion and self-control that was allotted to the others, saw fit to create a scene during the Supper that preceded the institution of the Sacrament of The Eucharist, The Holy Communion, by Jesus.

Only once did Peter's uncontrollable temper carry him as far as blood shed. This was at the moment of Jesus' betrayal. Jesus was speaking in the Garden of Olives when there appeared an armed band. There came a Roman tribune with soldiers armed with swords and spears, and following the soldiers was a motley crowd, including many serving-people of The High-Priests. It was night and the moon was full, but the many trees within the Garden cast their shadows on the place where Jesus had gone to suffer His agony, and so those who came to seek Jesus carried flaring torches which blazed throughout the Garden:

"John XVIII, 4-11.

Jesus therefore, knowing all the things that were coming upon Him, went forth, and saith unto them, Whom seek ye?

They answered him, Jesus of Nazareth. Jesus saith unto them, I am He. And Judas also, which betrayed Him, was standing with them. When therefore He said unto them, I am He, they went backward, and fell to the ground.

Again therefore He asked them, Whom seek ye? And they said, Jesus of Nazareth. Jesus answered, I told you that I am He: if therefore ye seek Me, let these go their way: that the word might be fulfilled which He spake, Of those whom thou hast given Me I lost not one.

Simon Peter therefore having a sword drew it, and struck the High-Priest's servant, and cut off his right ear. Now the servant's name was Malchus.

Jesus therefore said unto Peter, Put up the sword into the sheath: the cup which the Father hath given Me, shall I not drink it?"

"Matthew XXVI, 52-54.

For all they that take the sword shall perish with the sword. Or thinkest thou that I cannot beseech my Father, and He shall even now send Me more than twelve legions of angels? How then could the scriptures be fulfilled, that thus it must be?"

"Luke XXII, 51-53.

Suffer ye thus far. And he touched his ear, and healed him."

The thrice denial of Jesus by Peter will be touched upon in a later chapter, but it must be understood that Jesus sensed the fleshly frailties of his followers when he first appeared before Him. He knew that he, unlike His beloved John, lacked infinite faith, that divine love did not permeate his soul. But The Son of God saw through the veneer of Peter's human shortcomings. He saw in the unlettered, thoughtless, rugged fisherman, a human being that He could fashion as He willed, to make of him at last a soul who would remain as firm as the name that was given him implied, "a rock", a soul that had the persistence, the courage, to do the work of God the Father, after God the Son, had cast off His earthly form. Tradition states that Peter died as did The Christ, nailed to a cross but with his head downward. Such was the eventual fate of the thoughtless, blustering, impetuous Disciple who entered the furnace of life as dross, to come out as gold, to serve and to die.

(To be continued.)

Famous Scottish Oak

The old "Covenanters' Oak" at Dalzel, Scotland, which has weathered the blasts of storm and time for centuries, met with mishap recently. A violent windstrom has bereft the famous "aulk aik tree of Dalyel" of much of its ancient grandeur. The "Preacher's Oak," as it is sometimes called, is known to visitors and picnic parties to the beautiful seat of Lord Hamilton of Dalzell as an object of great historic interest. In the troublous religious times of long ago it is on record that the ousted minister of Dalzell was sheltered and protected by the Laird of Dalzell as far as possible, and that he secretly visited the parish and preached to his people from the great oak in front of Dalzell House. The great branches of the tree—each the size of an ordinary tree grow from the top of the stem, which at four and a half feet from the ground is twenty-one feet in circumference.

Engineering Department

Wonderful Construction Results Being Accomplished at the Hoover Dam

By C. E. SWANN

THE magnitude of this great undertaking is given little thought beyond the known fact that a huge government construction job is under way at the Hoover Dam and little attention is paid to its progress. When one pauses to reflect concerning the stupendous construction problems involved in this massive undertaking, he is at once bewildered in attempting to comprehend their solution.

The Salt Lake Tribune in a recent issue prints the following: "A director of Six Companies, Inc., the syndicate of contracting firms which is building the project for the reclamation bureau, chugged down the Colorado in a motor boat with his wife. As they entered the yawning jaws of Black Canyon he began explaining just what had to be done and how it would be accomplished.

> "He described how four 56-foot tunnels would be driven through the imposing canyon walls, and how the turbulent stream, which natives of the region say is too thick to drink and too thin to plow, would be diverted through these tunnels by means of a coffer dam.
>
> "With the diversion problem disposed of, the director told how they would gouge out 100 feet of muck from the bottom of the river for a distance of more than 650 feet, then go down another 50 feet into the bedrock for a base, transport all this muck over the towering walls into adjoining canyons by trucks, and then fill the great hole and the canyon up with a mass of concrete. He mentioned such details as lining the diversion tunnels with three feet of concrete, building highways and a railroad down into the river bottom, and quoted some statistics on the amount of excavation involved and the amount of cement and steel to be used.
>
> "The wife looked up at the perpendicular walls, towering a thousand or more feet overhead, and then down at the swirling waters. "'Darling,' she said, 'it's wonderful, but I don't know whether you are courageous or crazy.'"

When the layman stops to consider the magnitude of the undertaking and the numerous vexing problems to be overcome, he more or less has the same reaction to the undertaking as the wife quoted above, but it must be admitted that wonderful progress has been made up to the present.

It has been said that no engineering project has received the painstaking effort in all its details as has been bestowed on the design and construction factors entering this problem, and it is said even the men on the job are a little awed by the enormity of the project.

Sheer canyon walls which a year ago looked like they could defy man, nature or machinery until the end of time, are girdled with winding highways, and into their sides are being driven tunnels, so large that a two-story building would not reach from bottom to top. The work already done is enormous, but it is small compared to what yet must be done before the coffee-colored Colorado River is brought under control.

A schedule of performance of each item of construction has been worked out by Government Engineers and the contractors are now said to be more than six months ahead of the schedule.

The preliminary work necessary before any real start could be made on the actual construction work incidental to the main dam construction has been enormous, consisting of the building of a railroad and highway from Las Vegas to Boulder City, the gravel plant, Boulder City, and a network of roads over the entire territory, construction of railroads to the dam site and to the gravel pits on the Arizona side of the river several miles away. A tremendous amount of work has been done in the canyon. The four 56-foot tunnels to be used for diverting the flow of the Colorado River during the actual construction of the dam are about three-fourths excavated and the pouring of the three foot lining for these tunnels is now well under way.

Of interest to our mining men is the method employed in driving the diversion tunnels. A rig resembling the frame work of a large modern building is moved up against the tunnel face. On each floor of the scaffolding are five drillers, who work simultaneously with their high speed, compressed air drills. They drill in about 20 feet and the scaffolding is then moved to the other half of the tunnel face. While the powder men load up one side, the other side is drilled. When the entire tunnel face is loaded, the drilling equipment is removed and the blast fired. As soon as the smoke clears, all loose rock is knocked from the sides and the top of the tunnel, and the three and one-half ton capacity electric shovel moves in. This shovel can load, with two bites, the large trucks which carry away the waste rock. These trucks, moving like an endless belt in and out of the tun-

nel, around hairpin curves and over the rim of the canyon, are awe-inspiring to anyone who has ever experienced trouble in parallel parking.

Space is at a premium because of the fact that it can be obtained only by blasting it out of the canyon walls. For this reason, some of the mucking highways are not wide enough at any point to permit turning around, but the truck drivers go roaring up the steep dugways, back up to a precipice several hundred feet high and dump their load over the edge and then calmly back down the cliff to the tunnel mouth. In driving down, the driver must stand with his back to the steering wheel with neck craned to look over the steel basket of the truck. Manipulating the steering wheel behind him, he goes thundering down the steep dugways, around U curves and past loaded trucks—backwards in a manner to startle the average motorists who would hesitate to drive down these dugways front first in a touring car equipped with four wheel brakes. In spite of the dangers involved, none of the truck drivers have plunged over the canyon sides into the river.

The drilling, blasting and mucking operation requires about 22 hours, which means that the working face is advanced between 18 and 20 feet every 22 hours.

The compressed air power, which is used not only in the tunnels but by scores of cliff scalers, who are supported over the canyon walls on ropes and in bo'sun chairs, knocking off insecure rocks and doing other incidental work, is supplied from two large plants, which will eventually be converted into ammonia refrigeration plants—the product to be used to freeze the concrete as it is installed during the warm weather, to be sure it obtains its proper set and maximum strength. This is a new departure in concrete work.

From the top of the diversion tunnels upraises are being driven to the spillway height so that excess water at the dam will be carried off through these upraises and out the diversion tunnels. These upraises must be concrete lined to resist the great speed of water running through them. The diversion tunnels will have concrete dams placed above the point where the upraises enter and the flood water will have egress from these tunnels into the river below the dam.

The contract calls for 4,400,000 cubic yards of concrete and the initial output of two mammoth concrete mixers will be used to line the great diversion tunnels. Work of lining the diversion tunnels is now well under way. The linings are to be three feet thick and will not be completed before January, 1933.

Located in the nearest available spot in this rough canyon bottom, the big mixer is 4,000 feet upstream from the dam site. It is automatically controlled, with automatic batchers and pneumatic feeding of cement. A giant conveyor belt lifts the gravel from pits beneath railroad tracks a height of more than 100 feet to top of the plant where, by its own gravity, it drops down again through mixing processes to track and truck levels. The output of this plant will be 7,500 cubic yards daily.

The lower half of the dam itself will be poured from the lower level plant. It will then be dismantled and taken to the top of the dam cliffs for pouring the upper half.

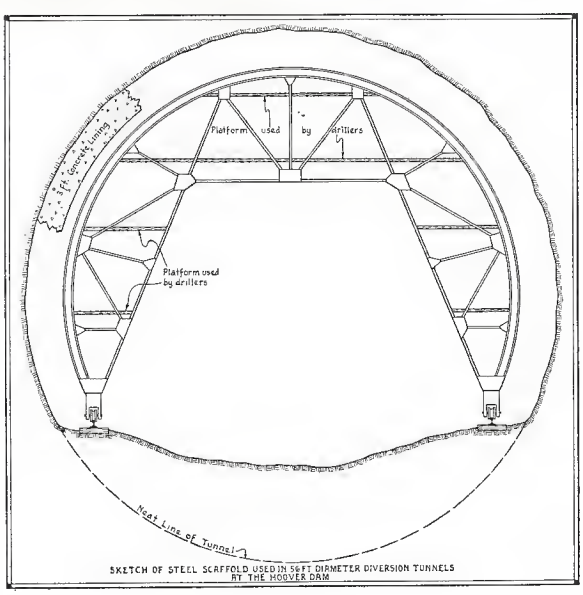
The gravel, or concrete "aggregate" as the engineers call it, is hauled from a natural deposit eight miles above the dam on the Arizona side. It passes through another plant for washing and segregation into the proper size. Both pit and washer will have an ultimate capacity of 1,000 tons per hour.

The tunnel work has been the main source of employment since the project started, and that, because of this, 96 per cent of the workmen fell into the class of skilled laborers—either long steel miners, chuck tenders or other similar lines—leaving only 4 per cent of the workmen in the unskilled class.

This situation will be materially altered with the start of the concrete work, and it is predicted the percentage of unskilled laborers will increase to between 50 and 60 per cent of the total number employed, and continuing at this ratio throughout the period where concrete construction is the major part of the program. These conditions will cause a complete reorganization of the forces of Six Companies, Inc., Boulder Dam contractors, to meet the changed type of work to be done.

Engineers heralded the steps taken to handle this work as the most ambitious program undertaken since the use of concrete revolutionized engineering practice. The concrete will be mixed in the largest plant ever erected for this purpose, and the sand and gravel going into its composition is screened, graded and washed by a plant which, in its extent and mechanical installation, represents an outlay never before approached.

The facilities, built by the Six Companies, Inc.,



SKETCH OF STEEL SCAFFOLD USED IN 56 FT. DIAMETER DIVERSION TUNNELS AT THE HOOVER DAM

builders of the dam, will be operated under supervision of the United States Bureau of Reclamation with little interruption until the dam is finished. Work will be pushed by night and day.

When the last of the concrete is placed, some years in the future, it is said enough of it will have been poured to build a highway 22 feet wide and 5 inches thick from San Francisco to New York, or it might have been used to erect a monolith, 55 feet square, towering seven and a quarter miles skyward.

The diversion tunnels, upon which the contractors are now concentrating, constitute only the first major part of the job. The next large item will be the coffer dams, which are temporary dams constructed of loose rock and earth which have a concrete lining on the up stream face, to divert the flow of the river through the diversion tunnels during the actual construction period of the dam proper.

The construction of the coffer dams will be a contest between man and a temperamental river for supremacy. The construction of a coffer dam in any large stream such as the Colorado River is accompanied with a great many unavoidable risks, and Mr. Frank T. Crowe, superintendent in charge of construction, looks upon this work as his major task.

The coffer dams must be built between high water seasons, and the river cannot always be depended upon to act as it has in the past. The race between the workmen and the first floods will start in January, 1933, if the present rate of construction is maintained, and the contractors maintain their present advantage over the government's construction schedule.

If the river follows its usual habits, Six Companies, Inc., will have until May, and possibly June, to put 1,200,000 cubic yards of earth and rock into the coffer dams and cover the face of the upper one with a six-inch reinforced concrete blanket. If the floods come earlier, the company must be ready or the work of months will be wiped out.

When the coffer dam work is started, it must be carried ahead as rapidly as possible, because the contractors will be at the mercy of the stream until the work is completed and has been accepted by the government. Mr. Crowe has been battling these western streams for many years and no one knows better than he how erratic they are, and that they usually do the unexpected thing when a coffer dam is under construction.

After the coffer dams are safely in and accepted by the government, excavation for the base of the main dam will be started. This will involve scaling down of the canyon walls on both sides for several hundred feet and excavating the bed of the river to a depth of about 150 feet until a safe floor and wall surface is secured for the big dam. It is estimated, with the scaling material added to the river mud and rock to be removed, that 230 feet of mud and rock must be dug out of the river bottom and trucked out over the canyon rims.

When all of the above work has been accomplished the building of Hoover Dam itself will just be ready to start and it has been estimated by the engineers that it will take two and one-half years to complete the work.

In the $50,000,000 contract, the Six Companies, Inc., have contracted to complete a total of 119 items prior to January 1, 1938. Ten per cent of the money due for work completed is withheld from the contractors until the project is completed and approved by the government, and time of completion means much to the contractors as it has been estimated that a six months reduction in completing the project over the government schedule will mean a saving of $100,000 to the contractors.

It is hoped the government's economy plan will be elastic enough to allow full speed ahead for this project, because a construction job of this magnitude must not lag if maximum results are to be obtained.

Producing High Vacuum

By D. C. McKEEHAN.

STRICTLY speaking a vacuum is an empty space. However, it is customary to speak of a space in which the pressure has been reduced to a thousandth of an atmosphere, (14.7 pounds at sea level), or less as a vacuum. When the pressure has been reduced a little below atmospheric pressure it is referred to as a partial vacuum. There is, however, no fixed rule in these matters, the term vacuum being in general applied to a space in which a low gaseous pressure prevails and whether a given pressure is considered to be low or not generally depends upon the class of apparatus to which it is applied.

The first experiments on vacua were made by Otto Von Guericke about 1632, whose original plan was to fill a vessel with water, then pump the water out with a pump, so leaving the exhausted space. Later he experimented with a large copper sphere but after the pumping had proceeded for some time the sphere collapsed with a great noise to the terror of all, a fact which he correctly attributed to the pressure of the air. Before the Emperor Ferdinand III he demonstrated with two copper hemispheres, about twenty-two inches in diameter, which were laid together to form a sphere, a ring of leather being placed between them to make an airtight joint. A valve was provided through which the air was exhausted. It is reported that eight horses could not pull the hemisphere apart. This is quite possible, for with a good degree of vacuum the pull to overcome atmospheric pressure could easily have been five thousand pounds.

In the second half of the Nineteenth Century various types of mercury pumps were introduced, which were used to evacuate glass tubes in the early experiments on the discharge of electricity through gases of low pressure. Subsequently improvements were made, but all used mercury as the basic principle.

The production of a high vacuum, i. e., low pressure, is carried to a high degree in the manufacture of the modern electric lamp, radio-tubes, X-ray tubes, neon sign tubing, etc. Another device using a fair degree of vacuum and which we may see around the coal mines in the not far distant future, is the Mercury Arc Converter, which changes three-phase alternating current into direct-current, without utilizing moving parts. Such a device has the vacuum "pumped up" right on the job and so would be right at home with us.

To return to the high vacuum production we find that it is necessary to get away from the mercury pumps after they have done the preliminary work. In evacuating electric lamps the chief difficulty to be overcome is the removal of the gas which is contained in or on the bulb wall and other internal surfaces, rather than the air which is free and capable of circulating in the interior of the bulb or vessel. By heating the bulb to 400 degrees C during the pumping process, most of the gas or air is removed. The final process in obtaining a high vacuum is by chemical means after the lamp is sealed off from the pump.

A mixture known as a "getter", usually red phosphorus and other binding material, is applied to the filament before mounting in the bulb. The filament is now heated to a lower temperature, then to a higher temperature than its normal use. This is called the "clean-up" and just what happens is not fully known, however, when first heated the phosphorus vaporizes and then condenses on the inside walls of the bulb. The vaporized phosphorus combines with any oxygen that may be present to form a solid material, which may be found inside the bulb in microscopic quantities that are not injurious to the life of the lamp.

Wyoming Section of A. I. M. E. Meeting at Laramie

A successful and co-operative meeting of the Wyoming Section of the American Institute of Mining and Metallurgical Engineers and the Mining Department of the University of Wyoming was held at Laramie, Wyoming, May 6th and 7th.

The Technical Session, with 45 present, J. E. Edgeworth presiding, met in Engineering Hall on the afternoon of the 6th. Dean R. L. Rhoads, of the College of Engineering, welcomed the visitors and members, explaining the school activities and the Student Section aims. Several very interesting papers were given and discussed by those present. Papers and their authors included "The Need of Research on the Refining of Wyoming Black Oils," by Mr. H. M. Thorne, Associate Refining Engineer, U. S. Bureau of Mines; "Geology of the Metal Bearing Formations of Wyoming," by Dr. S. H. Knight, Professor of Geology, University of Wyoming; "Engineering Student Activities," by Mr. Wm. G. Sandell, President, Student Mining and Metallurgical Society, who expressed their definite aim to affiliate as a Student Section next year; "Safety and First Aid," by Mr. V. O. Murray, Safety Engineer, The Union Pacific Coal Company; "Recent Mineral Developments in Wyoming," by J. R. Marzel, State Geologist. Dr. A. C. Boyle, Jr., Geologist for the Union Pacific System, outlined the metallic and non-metallic minerals found in Wyoming. As an added attraction, the First Aid Team from Hanna gave an impressive demonstration of first aid, the memory of which will no doubt stimulate first aid training at the University.

Casper will hold the next meeting, as the invitation of Vice Chairman J. R. Reeve, voiced by the six members present from Casper, was unanimously accepted.

A letter from Mr. Eugene McAuliffe, Director of the Institute, was read, regretting inability to attend and expressing the thought "that however bad the times may seem, this is the time to hang on to at least the fundamentals."

Seventy members and guests gathered for dinner at the Connor Hotel. Mr. J. E. Edgeworth, acting as toastmaster, introduced Dr. A. G. Crane, President of the University of Wyoming, as the speaker of the evening. Dr. Crane cited many things to think about, without trying to solve them, including jobs, employment, a shorter working day, more machines and new uses for machines, thus creating more leisure time for additional activities; modernization of present existing things and the creation of new devices to satisfy basic human wants. Dr. Crane, in closing, stated this is a mechanical age and was very hopeful that men with engineering training and creative minds might work out and relieve the present problems.

Dr. F. Goodrick was next introduced and gave a short talk on the Japanese question in Manchuria.

After dinner the members and guests attended the Engineers' Open House. The exposition was held in Engineers' Hall, with the Engineering Students demonstrating the work carried on at the University. Here mining, machine shop, metal molding and electrical practices were shown, also exhibits of finished school work of all kinds. It was quite a revelation to view the resources available, and to note the constructive work that is being accomplished along engineering lines.

Saturday morning was devoted to interesting visits to the industrial plants near Laramie. The following were visited: Laramie Gas Company's Plant, courtesy Mr. H. V. Husted, Manager; Western Public Service Company's Power Plant, courtesy Mr. M. H. Soule, Manager; Monolith Portland Cement Company, courtesy Mr. F. J. Anderson, Superintendent; Union Pacific Tie Plant, courtesy Mr. M. M. Rabourn, Superintendent.

Members attending from Rock Springs were J. E. Edgeworth, C. E. Swann, V. O. Murray, R. R. Knill and J. L. Libby; Superior, A. S. White, Mr. and Mrs. Frank Stortz; Winton, Edward Morgan; Hanna, O. G. Sharrer and the First Aid Team, consisting of Captain Edward Attryde, Harry Dodds, Edward While, V. H. Moffitt, Thomas Lucas and Charles Mellor, patient.

Ye Old Timers

Old Timers' Day, June 11th

THE program for the Old Timers' Eighth Annual Reunion is being whipped into shape, some of the details as now determined set forth below:

The usual business meeting will be held in the Elks Club at 10 a. m., thereafter the annual parade from the Elks Club to the Old Timers Building will take place with the Marshal of the Day in command. In the parade will be found the Kiltie Band, the four community bands, and the Old Timers grouped by sections, with the fifty-year-plus men in the lead, the First Aid Teams and the Boy and Girl Scouts' Teams taking up the rear.

The annual banquet will be held in the Old Timers' Building, Mr. George B. Pryde acting as toastmaster. The invocation will be delivered by the Reverend Herald C. Swezy, followed by a solo by Mr. L. R. Johnson, with Mr. Leo Hovorka, accompanist.

Mr. McAuliffe will introduce Mr. Scott Turner. Director of the U. S. Bureau of Mines, who will speak briefly to the Old Timers, and thereafter Mr. Carl R. Gray, President of the Union Pacific System, will deliver the address of welcome and felicitation, the Hanna orchestra furnishing music.

At the conclusion of Mr. Gray's address, nine employes who have attained a forty-year status in the year just passed, will receive the special gold button which Mr. McAuliffe has, from the beginning, given to each of the forty-year Old Timers, the class of 1932 consisting of the following:

Steve Angelovich	James R. Dewar
William Angelovich	Alex Greenwood
Robert Belman	Charles E. Moffitt
George Blacker	Michael Murinko, Sr.

Thomas Twardoski

At the conclusion of the presentation of buttons to the forty-year men, the audience will rise, singing "America", Mr. Hovorka, accompanist, the Reverend S. A. Welsh closing with a benediction.

At the conclusion of the program held in the Old Timers' Building, the events of the afternoon will swing into action, a massed band concert, music by the Kilties, and various sporting contests occupying the afternoon, the schedule of sports arranged as follows:

LADIES' CONTESTS

NAIL DRIVING CONTEST

1st prize.....Suit Case
2nd prize.....Leather Purse
(Open to wives of Old Timers only)

POTATO PEELING CONTEST

1st prize.....Bed Spread Set
2nd prize.....Pillow Case Set
(Open to wives of Old Timers only)

EGG RACE

1st prize.....Silk Hose
2nd prize.....Pewter Dish
(Two to a team—Open to wives of any U. P. Coal Company employe)

PIE EATING CONTEST

1st prize.....Eastman Kodak
2nd prize.....Clock
(Wife of any U. P. Coal Co. employe may compete)

50-YARD DASH

1st prize.....Pair Silk Hose
2nd prize.....Compact
(Wife of any U. P. Coal Co. employe may compete)

MEN'S CONTESTS

2 P. M.—HORSESHOE PITCHING

1st prize.....Suit of Clothes
2nd prize.....Fountain Pen
3rd prize.....Box of Cigars
(Participants must be members of Old Timers. Contests will be held at each Camp to decide on the players to represent the Camp at the tournament Saturday afternoon, June 11th.)

BOUCHE BOULLI

1st prize.....Watches
2nd prize.....Shirts
3rd prize.....Pipe Set
(Any employe of the U. P. Coal Co. may compete. Not over two teams from any Camp allowed.)

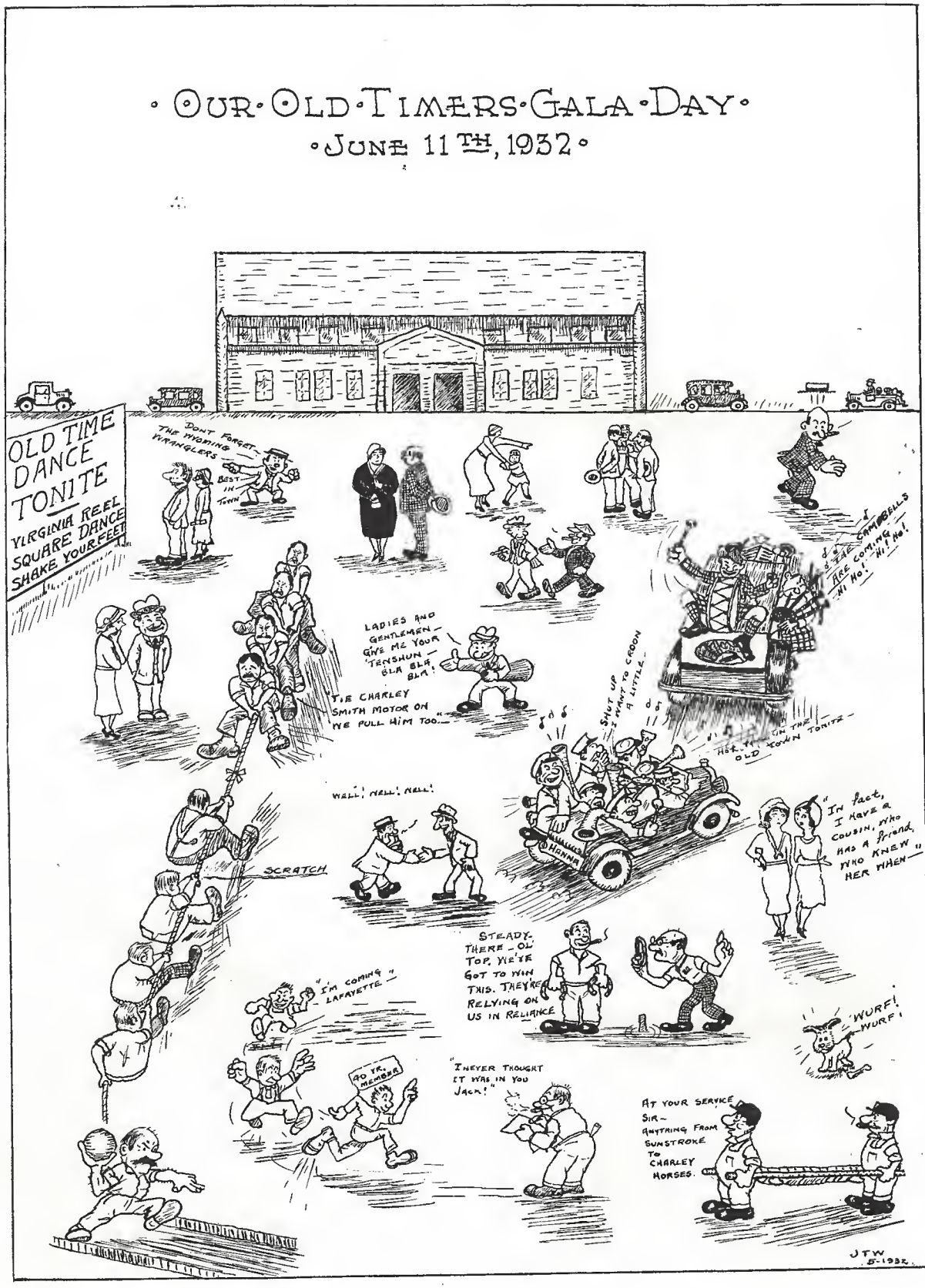
RELAY RACE

1st prize.....Shirts
2nd prize.....Silk Hose
(Entries limited to one team from each Camp. Any U. P. Coal Company employe eligible. Elimination held at each Camp to decide on team.)

TUG-OF-WAR

One team composed of ten men who are employes of The U. P. Coal Co. from each Camp allowed.
1st prize.....$50.00 cash
2nd prize..... 25.00 cash
(Elimination at each camp to decide who will represent the camp. Team to be approved by mine superintendent and Safety Department.)

(Please turn to page 236)


OUR OLD TIMERS GALA DAY
JUNE 11TH, 1932
OLD TIME DANCE TONITE
VIRGINIA REEL
SQUARE DANCE
SHAKE YOUR FEET
DONT FORGET WYOMING WRANGLERS BEST IN TOWN
LADIES AND GENTLEMEN— GIVE ME YOUR TENSHUN— BLA BLA BLA!
TIE CHARLEY SMITH MOTOR ON WE PULL HIM TOO.
SCRATCH
WELL! WELL! WELL!
SHUT UP I WANT TO CROON A LITTLE
HOT TIME IN THE OLD TOWN TONITE
HANNA
"In fact, I have a cousin, who has a friend, who knew HER WHEN"
STEADY— THERE — OL' TOP. WE'VE GOT TO WIN THIS. THEY'RE RELYING ON US IN RELIANCE
"I'M COMING" — LAFAYETTE —
40 YR. MEMBER
"I NEVER THOUGHT IT WAS IN YOU JACK!"
WURF! WURF!
AT YOUR SERVICE SIR— ANYTHING FROM SUNSTROKE TO CHARLEY HORSES.
JTW 5-1932

Old Timers' Day, June 11th

(Continued from page 234)

50-YARD DASH

For Old Timers weighing 200 lbs. or more.
Prize .....Smoking Set

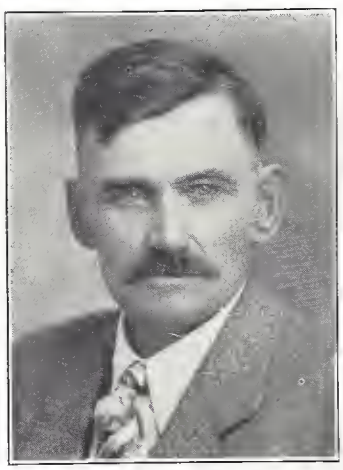
With the conclusion of the field events, supper and preparation for the Old Timers' Dance, with old time music, old time costumes and old time dances, will occupy the program. During the evening, an old time costume contest will be conducted with the following prizes:

Best dressed couple, old time costumes, cash prize $10
Best dressed woman, old time costume, cash prize .....$ 5
Best dressed man, old time costume, cash prize .....$ 5

At the stroke of midnight, the orchestra will play its concluding number, thus closing the Eighth Annual Reunion, clearing the stage for the Ninth Annual Reunion to be held in June, 1933.

Addition to the Honor Roll

Jacob Glad, born at Vassa, Finland, December 25, 1872, entered the employ of this Company in 1890 at Dana, Wyoming, as a miner, transferring to Hanna one year later, at which point he has just concluded practically forty years of continuous service. Ill health caused him to lay off most of the past six months, and word has just been received that a pension has been awarded to him. Mr. Glad's last employment was as a Trackman in Mine No. 4. He will continue to live at Hanna with Mrs. Glad, two sons and a daughter, one of the boys being in the Union Pacific service there. Mr. Glad received a 40-year gold badge at the last Old Timers' Reunion, and it is the fond wish of his many friends that he will be in attendance at the Eighth Annual Celebration.



Mr. Jacob Glad.

Wife of Old Timer Robert Muir Passes Away

On May 9th Mrs. Muir, wife of Robert Muir, former General Master Mechanic of the Company here, now residing at Long Beach, passed away, interment being in the California city on the 11th. She first came to Rock Springs in 1880 and lived here nearly fifty years. The family moved to Long Beach some six years ago, at the time of Mr. Muir's retirement on a pension from the service of the Coal Company. Besides her husband, seven children are left to mourn her loss. She was held in high esteem by her legion of friends in this district who extend their heartfelt sympathy to the bereaved.

Old Timer Frank Eori Dies

Mr. Frank Eori passed away on May 7, 1932, at the State Hospital Rock Springs. Mr. Eori was an Old Timer, having been in the employ of The Union Pacific Coal Company for twenty-two years in various capacities, entering service in 1910. Illness compelled him to quit work and he was retired on pension in November. 1931. His wife preceded him in death about one year. To mourn their loss, two children are left, Edward and Emma. The heartfelt sympathy of their many friends goes out to them in their time of sorrow. The interment took place in Mountain View Cemetery on May 12.

Mr. Frank Eori.

Music Week

MUSIC week has been fittingly observed in Rock Springs, and many musical programs have been given. Conspicuous among these was the concert given at the Old Timers' Building, Sunday, May 1.

Rock Springs is famed for its splendid community activities, but no finer exhibition has ever been given than the manner in which the community responded and took part in this extremely fine entertainment. It was indeed an inspiring sight to see the large choir, to the number of one hundred, on the platform, representing all religious denominations in Rock Springs. This work was organized about five weeks previously by Mr. Leo Hovorka, and it is almost inconceivable that so much could be accomplished in training the large number of vocalists and instrumentalists in such a short time.

By the time set for the starting of the concert, which was of a semi-sacred nature, the hall was filled to capacity, several hundred being turned away for lack of room.

Mr. Hovorka is entitled to the thanks of the entire community for the high class entertainment

provided. Since coming here less than a year ago, Mr. Hovorka, who has been conducting a studio in Rock Springs, has been active in all community work, giving his time generously in providing music, and the demonstration of his ability on Sunday evening, when he handled the choir in such a splendid way, again showed bis remarkable talents as a musician and director. Many compliments have been paid bim since the concert, and many requests have been made that he continue this work as a permanent institution.

The program is given herewith:

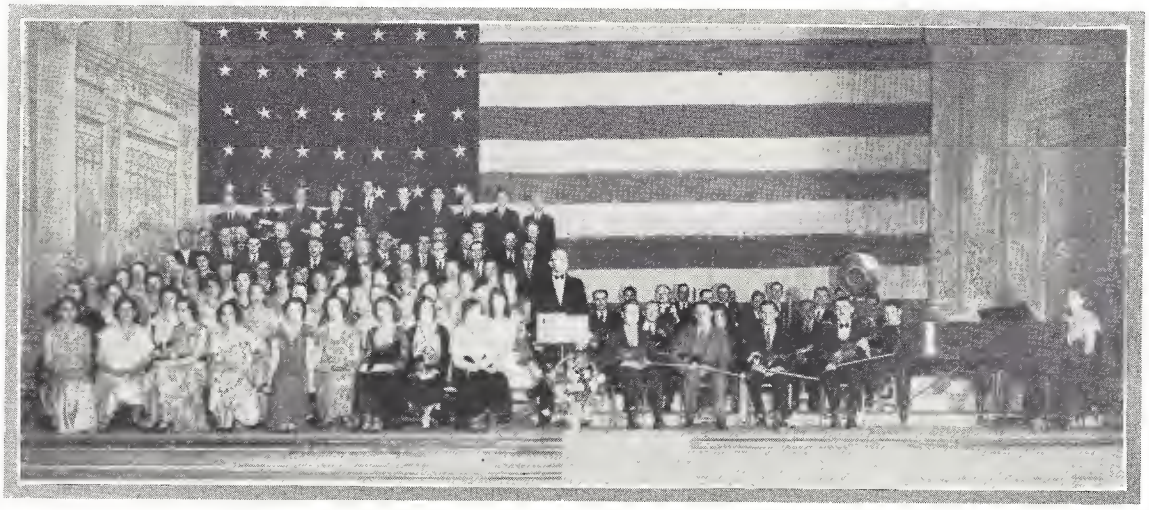
1. "God of Our Fathers"..... *(Kipling-Gower)*
   Chorus
2. Prayer.....Rev. O. P. Avery
3. "Unfold Ye Portals"..... *(Gounod)*
   Chorus and Orchestra
4. Meditation (Thais) ..... *(Massenet)*
   Donald Miller
5. "The Pauper's Drive"..... *(Homer)*
   LeRoy Johnson
6. (a) "Drink to Me Only with Thine Eyes" .....Old English Air
   (b) "Carmena" ..... *(Wilson)*
7. "The Lost Chord"..... *(Sullivan)*
   Chorus and Orchestra
8. Address .....Rev. John R. George
9. Easter Song—"Hosanna"..... *(J. Granier)*
   Martha Samuels Buston
10. (a) "There's a Long, Long Trail"..... ..... *(King-Elliott)*
    (Arr. by W. Leo Hovorka)
    (b) "Golden Crown," (Negro Spiritual).. ..... *(Graves)*
    Double Mixed Quartette
    (Mrs. C. L. Agnew, Mrs. Roy Connor, Mrs. Art Henkell, Miss Matilda Egger; Dr. Doyle Joslin, Ted Jacobs, Clarence Seeburg, George Samuels)
11. "Hallelujah," (Messiah) ..... *(Handel)*
    Chorus and Orchestra
12. Benediction.....Rev. Herald C. Swezy

It would be difficult to pick out any one number for special commendation as each one displayed careful training.

The opening chorus "God of our Fathers" was sung without accompaniment and displayed the perfect balance of the choir. The powerful "Unfold, Ye Portals" was delivered with a precision of attack on the part of both chorus and orchestra which was at once inspiring and grand. A pleasant contrast in the program came with the two four-part choruses for women, "Drink To Me Only With Thine Eyes" and "Carmena". The first, a well known English air, without accompaniment, was done with sympathetic tenderness and fine shading. Contrasting this, the second number, of Spanish flavor, had the brilliance and dash that will long be remembered. The double mixed quartette consisting of Rock Springs' outstanding vocalists handled their numbers in true professional manner. The "Lost Chord", so well known and always popular, was presented with the chorus divided into eight parts. This number with orchestra, had the true characteristics of an immense organ, and the fact that it is so well known made it one of the outstanding features of the concert. The climax of the evening came with the "Hallelujah" from Handel's Messiah. This intricate work demands everything a chorus should have. The combined chorus proved that its abilities could meet the most severe demands made upon it. It was a fitting close to a splendid concert.

The orchestra, comprising a selected group of twenty-five of Rock Springs' best musicians, deserves much credit. They created a perfect background to the chorus, and their blending with the voices was most pleasing.

Martha Buston, Donald Miller and LeRoy Johnson proved their ability as soloists, and each one gained additional popularity and praise for their splendid work.



The United Church Choirs of Rock Springs, Old Timers' Building, Sunday evening, May 1, 1932.

Of Interest To Women

Things Every Mother Should Know

Possibly the most common and tiresome complaint that mothers have to cope with in their babies is constipation. The advance of civilization is greatly to blame, for infants are ushered into the world under such artificial conditions and reared on such artificial food that instinctively they feel no necessity to make use of their organs in the way Nature intended.

At one time constipation was unknown. Babies had to fend for themselves almost from birth, and so developed their organs and their muscles instinctively and at a much quicker rate than they do now.

But as civilization has come to stay, it is useless tilting against it, and the only thing to do is to use brain and effort in combating the ills it carries in its train. In the case of the habitually constipated baby who is fed naturally, a deficiency of fat in the mother's diet may be the cause, and this can be remedied by the mother eating more butter, or adding cream to her dietary.

A more inexpensive and perfectly harmless method of adding fat to the dietary is for the mother to take a teaspoonful of pure olive oil night and morning. With babies who are artificially fed, a little cream added to the bottle is worth trying, with the addition of a little orange juice and water given as a drink between feeds at regular intervals during the day. This orange juice and water helps a baby enormously; it not only clears up constipation, but strengthens the constitution, being rich in vitamin A.

Systematic habits, too, must be cultivated. A baby must be made to understand that it must exercise its bowels at given times.

In some babies, the trouble is pre-natal, and this is the most difficult to treat. But much can be done for such a child. Regular massage of the stomach and across the loins, and regular exercising of the small legs, will strengthen lazy or weak intestinal muscles and make them do their duty. Fruit juices should be given between feeds. Such fruits as prunes should be well stewed without sugar, pressed through a sieve and the juice placed in a bottle. Figs can be treated in the same way and, as the baby grows older, the fruit itself can be given. Apples are excellent, and as soon as the baby is old enough to bite, slices of raw apple should be given.

Drinking of barley water or oatmeal water will help the condition, as well as the drinking of pure water between feeds.

A method adopted by a large clinic in dealing with this trouble in infants is to take a soft rubber ball and roll it over the baby's stomach for fifteen minutes daily, pressing the ball gently with the palm of the hand while rolling it. Olive oil, in small doses, confection of senna, senna and prunes, or small doses of cascara, are all suitable medicines for the relief of constipation, but if a baby is to grow up strong, hearty and healthy, the great thing to aim at is a natural discharge.

Some Timely Recipes

Grapefruit and Orange Salad—Two grapefruit, three oranges, maraschino cherries, watercress, one-half cup American cheese, grated; one head lettuce, mayonnaise.

Peel grapefruit and oranges and free the sections from all membrane and seeds. Place the grapefruit and orange sections alternately on lettuce leaves and sprinkle with grated American cheese. Garnish with maraschino cherries and watercress. Serve with mayonnaise.

Give the family this substantial salad, combining all the goodness of fresh vegetables.

Fresh Vegetable Salad—One cup cooked string beans, cut in short pieces; one-half cup cooked lima beans, one-quarter cup vinegar, one-half cup cooked carrots, diced; one-half cup cooked peas, one cup cooked asparagus stalks, cut in short pieces; one-quarter cup mayonnaise, three-quarter cup cooked beets, diced.

Combine string beans and lima beans with vinegar and chill fifteen minutes. Season carrots, peas and asparagus with salt, white pepper and cayenne. Add to first mixture and toss lightly together with mayonnaise. Arrange crisp lettuce on large salad plate, place beets in small mounds around edge and pile salad lightly in center. Garnish with asparagus tips. Serves six.

Egg Fricassee—Hard boil some eggs, shell, then cut into fair-sized pieces. Drop the pieces into a white sauce and warm thoroughly, keeping the pieces as whole as possible. Serve with snippets of fried bread.

Sardine Eggs—Hard boil a number of eggs, plunge immediately into cold water, then remove the shells and cut each in half lengthwise. Remove the yolks with a spoon, place these in a bowl with several sardines (skinned and boned), a piece of butter the size of a walnut, a pinch each of salt and cayenne, and a few drops of lemon juice. Mix thoroughly and return to the whites, piling the

mixture in the form of a dome. Garnish with parsley.

Eggs with Cheese Sauce—Boil a number of eggs for six or seven minutes, shell and dry carefully. Cover lightly with flour and roll in a well-beaten egg, to which a little salt and pepper have been added. Roll in browned bread crumbs and fry a golden brown in boiling fat. Drain on kitchen paper; cut each egg crosswise in two, remove a piece from the end of each half to enable it to stand, and serve with a white sauce flavored with grated cheese.

Household Hints

A shabby umbrella can be renovated by brushing with a solution of ammonia and warm water.

Beetroot will keep fresh for quite a long time if a little mustard is mixed with the vinegar poured over it.

Camphorated oil will darken and help to conceal heat marks on polished wood.

Damp shoes will polish well if a little paraffin is added to the cleaning paste.

Carpet brooms last longer and are more satisfactory if, from the first, they are steeped once a week in boiling suds. The hot water strengthens them, and also makes them more pliable, so that they do not have such a wearing effect upon the carpets.

Ink spots on carpets can often be removed by washing with warm milk and afterwards sprinkling with cornflour. The cornflour should be brushed off after 24 hours.

Varnished wallpaper which has been splashed with grease from the stove can be washed with a pailful of warm soapy water to which a tablespoonful of ammonia has been added.

A little ammonia added to the water in which woolens are washed will improve them immensely. If a little is added to the water in which white clothes are soaked they will be much easier to wash.

An occasional rub over with a rag dipped in olive oil preserves and prolongs the life of linoleum.

A lemon cut into slices and boiled with white clothes keeps them white and takes out stains.

Style Hints

Slim styles are still with us, there is no doubt about that after having taken a careful survey of the spring fashions.

Every line of the new frocks clearly indicates the actual shape of the figure and emphasizes the ever-growing necessity for slimming and keeping slim. The new spring line follows Nature's, just as the best hat must follow that of the head.

The molded sheath-like form is the ideal one to wear from early morning till late at night. It is a daring one, accentuating slenderness by the use of every intricate means of shaping.

The waistline may be high or low, according to the woman who wears it. The wide shoulder-line gives the slim effect around the belt and is particularly good for the tall and slender.

Draperies, frills and flounces are abundant, but the foundation is fitting and shapely, hence the slim effect.

Proportions are of greatest importance in the spring silhouette. Every model seems designed to suit the average woman rather than a distinctive beautiful mannequin type.

April Injuries

(Continued from page 227)

HARRY RITCHIE—*Miner—Superior "E" Mine.* Fracture of left collar bone and slight bruises of back and chest. Period of disability estimated 42 days. Ritchie was walking along side of an empty car that was being delivered to his working place by a motorman pushing it ahead of his loaded trip. As the car went around a slight curve he was squeezed between the car and the timber. This accident was avoidable. First, all men should know that a car going around a curve materially decreases the clearance, and they should not walk along side of a moving car where there are tight places. Second, the car did not have to be pushed to the face by the motorman, as it could have been easily pushed there by the two workmen. Third, in heavily timbered places where it is exceedingly difficult and even dangerous to maintain clearance in entry stumps, all workmen should be exceedingly careful and take no chances of getting squeezed. This accident is attributed to three things, carelessness, thoughtlessness, and lack of clearance.

ELI KUMPALA—*Joy Operator—Hanna No. 4 Mine.* Lacerated thumb and bruised 1st and 2nd fingers of right hand. Period of disability, 13 days. While operating a Joy loading machine a small piece of top coal fell and struck his right hand which was resting on a control valve that manipulates the machine. Accidents similar to this can be avoided if, at waiting intervals, the crew will sound the top and take down the loose pieces. Leather gloves will also help to reduce the severity of hand injuries.

JAMES MEEKIN—*Driller—Hanna No. 4 Mine.* Severe contusion, and ruptured blood vessels in calf of right leg. Period of disability estimated 35 days. While drilling, a piece of top coal fell, striking his right leg. No doubt this accident was also avoidable had the injured workman used more precaution. Two men being injured in the same room, and only three days apart, should also hasten the supervising forces of the mine to use more supervision in the places where accidents are liable to happen from the dangerous hazard of falling roof or coal.

Our Young Women

The First Lady of Our Land

Mrs. Herbert Hoover, Hostess of the White House.

Mrs. Herbert Hoover, the first lady of the land, has displayed much interest and devoted much of her valuable time to activities of our girls. Being Honorary President of the Girl Scouts, she has also shown undivided interest in other organizations —the Girl Reserves of the Y. W. C. A., Children of the American Revolution, enjoyed the visits of boys and girls representing the national 4-H clubs and has gone to their camps, as well as having talked to their gatherings over the radio. She has entertained in the White House five girls brought from the Tamasee School, located in the mountains of South Carolina, this institution being maintained by the Daughters of the American Revolution.

At Easter time, she gave a large outdoor party on the White House lawn, with Maypole dances as an added attraction, the Girl Scouts and children from local settlement houses being asked to participate therein. She has assisted in the annual children's affairs of the Gospel Mission and lends her aid in handing out the gifts of various kinds, arranged a special Christmas party to aid the youngsters of unemployed men in the West Virginia coal fields, requesting her small guests to bring toys or some useful gift in the nature of shoes, sweaters or clothing.

She fostered the Blue Ridge Mountain School, situated near Mr. Hoover's Rapidan camp, supervised in a measure its erection, engaged the teacher, etc.

How to Manage Men

First of all—and this is the most important—do not, on any account, let your men friends know your real opinion of them, *writes Sheilah Graham.*

If they are the kind that thrive on flattery, flood them in oceans of adulation. If their reaction to words of praise is one of mistrust, be brutally blunt and honest.

Accept them as they are, and give them the stuff they want.

Often I have heard the question asked, "Do men like intelligent women?" The answer has always been, "No."

I could weep when I see really intelligent girls hiding their wisdom under a bushel of fright, because they think their cleverness will frighten men away.

Of what value is the appreciation of a witless woman? The really wise girl will impregnate the minds of her men friends with the realization of her mental equality.

They will be immensely flattered that they have been singled out as a companion for such a wonderfully clever woman.

To the woman who is trying to make the man of her choice propose to her, I want to give a special word of warning and advice.

Do not, I implore you, be sweet and sympathetic to him. He will not appreciate your motives; he will consider he is being chased, and will take fright and bolt.

I have always been fascinated by the fact that the best matrimonial prizes fall to those women who are outwardly and inwardly as hard as nails and as cold as ice.

"Catch me—if you can" seems to emanate from their frozen beings, and men seem to tumble over themselves in their endeavors to carry off such a difficult prize.

An invaluable method of making middle-aged men purr with delight is to tell them they look at least ten years younger than they actually appear.

We women are not the only offenders when it comes to forgetting an odd ten years or so, and the woman anxious to be a success with men will wisely conceal her surprise at the lie, however apparent, concerning a man's age.

Strangely enough, younger men also resent any implication of added years.

All men react favorably to a plea for helpful advice, however small or trivial the subject.

I have yet to meet a man who will fail, metaphorically, to expand his chest and respond to a feminine call for advice.

Men are always flattered at the thought that they are necessary to the unraveling of a problem that apparently baffles the intelligence of woman.

I should have said at the beginning, of course, *this article is to be read by women only.*

Girl Scout News

Miss Olga Carlson, a member of the national field training staff of Girl Scouts, visited Rock Springs May 9 to 12. She conducted a course in Girl Scouting for leaders and those interested.

Miss Carlson was a teacher in physical education in Ogden, Utah, schools before joining the Girl Scout organization in 1925. Her experiences have been wide and varied as a training instructor, camp director and councillor. She was councillor and game instructor at Camp Andree, National Girl Scout camp at Briarcliff Manor, New York. She went to Salt Lake City in 1926 as local director, a position she held until last fall when she became

a member of the national field training staff in the Rocky Mountain region.

The Girl Scouts of the city joined with different sections of the Woman's Club in planting trees in Washington Memorial Park on Arbor Day. The girls planted a Pennsylvania Oak. For the ceremony, they circled their tree, sang two verses of their special tree song. Wilma Bell presented the tree to the city; Gertrude Beveridge recited a tree poem by Edwin Markham, all Scouts repeated John Keats' verse "A Thing of Beauty". The ceremony closed with the last verse of the tree song.

A company of two hundred Girl Scouts, Mothers, and Girl Scout leaders from Rock Springs and the surrounding camps met for their annual Mother and Daughter banquet at Elks Hall on Tuesday, May 10, at 6:30 p. m. Mrs. James Libby, Girl Scout Commissioner, presided. Miss Olga Sarcletti played a violin solo, Miss Norma Young gave a toast to Mothers, Mrs. James Davis responded in song. Mrs. John Park, former Girl Scout Commissioner, introduced Miss Olga Carlson of the National Field Training staff of Girl Scouts, who gave the address of the evening. After the dinner hour, the Girl Scouts gave a pageant depicting life at New Fork Lake Camps, each troop giving an episode. At the close of the pageant, Miss Olga Carlson had charge of the Court of Awards. Mrs. Henry Buckles of Reliance, Mrs. A. C. Clark of Superior, and Miss Norma Young of Rock Springs, were given thanks badges for long and faithful service in Girl Scouting.

A Geography Lesson

Waitress—"Hawaii, gentlemen; youse must be Hungary to eat in a place like this."

First Man—"Yes, Siam, and we can't Rumania long, either. Venice lunch ready?"

Waitress—"I'll Russia to a table. Will you Havana?"

F. M.—"Nome, you can wait on us."

Waitress—"Good. Japan the menu yet? The Turkey is Nice."

F. M.—"Anything at all. But can't Jamaica little speed?"

Waitress—"I don't think we can Fiji that fast, but Alaska."

F. M.—"Never mind asking anyone. Just put a Cuba sugar in our Java."

Waitress—"Sweden it yourself; I'm only here to Servia."

F. M.—"Denmark our bill and call the Bosphorus. He'll probably Kenya. I don't Bolivia know who I am?"

Waitress—"No, and don't Carribbean. Youse guys Armenia."

Boss—"Samoa your wisecracks, is it? Don't Genoa customer is always right? What's got India? You think maybe this argument Alps business?"

Customer—"Aw youse Wales give me Spain in the neck."—*Author unknown.*

A Wedded Tomboy's First Spring

Pots and pans,
Food and cans;
Household care
Everywhere.
Folks said I'd get used to it
After trying it a bit.
Perhaps I would if Winter stayed,
But Spring has come, and I'm afraid
I've lost the game. Because I'm wishing—
Awful wish!—to go out fishing.

Bridge and tea,
Dignity,
Curtains, hats,
Gossip cats;
I bore them all to win my place.
Now, Spring is tempting me from grace.
And Spring is sweet; temptation's strong;
I cannot stand it very long.
What's that? Some youngsters playing "scrub"?
Wait! Count me in it, will you, Bub?

What Six Per Cent Means

Give your little girl a thousand dollars on her first birthday anniversary, invested at 6 per cent compounded semi-annually, and here is what time will do if the interest is reinvested:

At age 13 the thousand dollars will be doubled.

At age 17 when she graduates she will have $2,500.

At age 25 when she marries she will have $4,000.

At age 37 when she has children she will have $8,000.

At age 44 when her children are able to take care of themselves she will have $12,000 from which she will receive an income.

At age 65 when the wide world seems to forget one, she will have an independent fortune of $41,971.

If people would only save and let Father Time help them! He is going to chase right along with them, just the same!

Sandy bought two tickets for a raffle and won a Studebaker. His friend rushed up to his house to congratulate him, but found him looking miscrable as could be.

"Why, mon, what's the matter wi' ye?" he asked.

"It's that second ticket. Why I ever bought it I canna imagine."

Grim Faced Woman: "I want to know how much money my husband drew out of the bank last week."

Bank Teller: "I cannot give you that information, madam."

Woman: "You're the paying teller, aren't you?"

Teller: "Yes, but I'm not the telling payer."

Boy Scout Activities

Scouting

WE PRINT for the benefit of Boy Scouts and their parents some extracts from an address recently delivered by Franklin D. Roosevelt, Governor of New York, upon the occasion of the Tenth Anniversary of the Boy Scout Foundation of Greater New York.

"While my primary concern at the moment is that of the Boy Scouts, and the thousands of volunteers serving it, I want to project a plea in behalf of all character building and social agencies during this difficult period. These agencies reflect an important phase of our recent progress; they are an integral part of our life of today; they express the hope of the future.

"Never perhaps in our history was the social service agency so urgently needed as now. And my plea is that this great service to America be protected from interruption or curtailment. This is a particular period which we hope will not last much longer, and we owe it to the boy of today and the boy of tomorrow to see that the work of this foundation is not cut down . . . .

"I know of no more fitting tribute than to make it possible for some boy, or boys in generations to come, to have the benefit of this great outdoor university of character.

"That is one direction in which we must provide for the permanency of the Boy Scout Movement.

"Scouting, however, is not just camping. It is a leisure time program intended to give the boy something that challenges his interest and encourages self-improvement by diverting and directing his interest into worthwhile channels. Its unique methods of operation are of interest to educators and psychologists. To you and me, as citizens, the interest is primarily in Results.

"This is what Scouting achieves:

"It inculcates in the boy a definite sense of civic responsibility.

"It develops respect for the rights of others.

"It places the emphasis on honor and decency.

"It is constructive prevention.

"But is not prevention rather than correction the solution of the crime problem?

"GIVE THE BOY SCOUTING! Make him resourceful and trustworthy and he will not seek a gun at the point of which to make his livelihood. The racketeer and the gangster go out the window when Scouting comes in the door

"Thousands and thousands of boys are eager to become Scouts. The outstanding opportunity offered to us is to make this program available to them. Our record of accomplishment so far should serve merely as a challenge—a challenge to expand the Boy Scout enrollment . . . "

Boy Scout Court of Honor

The regular monthly Court of Honor of the Sweetwater District, Boy Scouts of America, was held at the Methodist Church, Monday evening, April 18. A very fine crowd of Scouters. Scouts, parents and visitors was present to enjoy the fine program presented by Troop No. 169.

Badges were awarded as follows:

SECOND CLASS, Jasper Pinter, Troop No. 176.

FIRST CLASS, Charles Korogi and Robert Todd, both of Troop No. 176.

STAR SCOUT BADGE, Ernest Grosso, Troop No. 176.

EAGLE SCOUT BADGE, John Hudak, Troop No. 169.

MERIT BADGES: Ernest Grosso, Troop No. 176. Painting and First Aid; Weston Park, Troop No. 172, Civics, Pathfinding and Cooking; Billy Wood, Troop No. 169, Firemanship; Frank Rosendale, Troop No. 169, Safety First.

The feature of the evening was the awarding of the Eagle Scout Badge to John Hudak. This represents the highest rank in Scouting. Congratulations were showered upon John by local Scouters as well as the National Scout leaders.

A picture of James E. West, Chief Scout Executive of the Boy Scouts of America, was presented to Mr. William Sisk, Scoutmaster of Troop No. 176 of Reliance, for making the most points at the Court of Honor. His troop had a total of 165 points. Troop No. 169 came second with 115 points. Troop No. 165 of Superior was third with 32 points.

Boy Scout Court of Honor, Superior

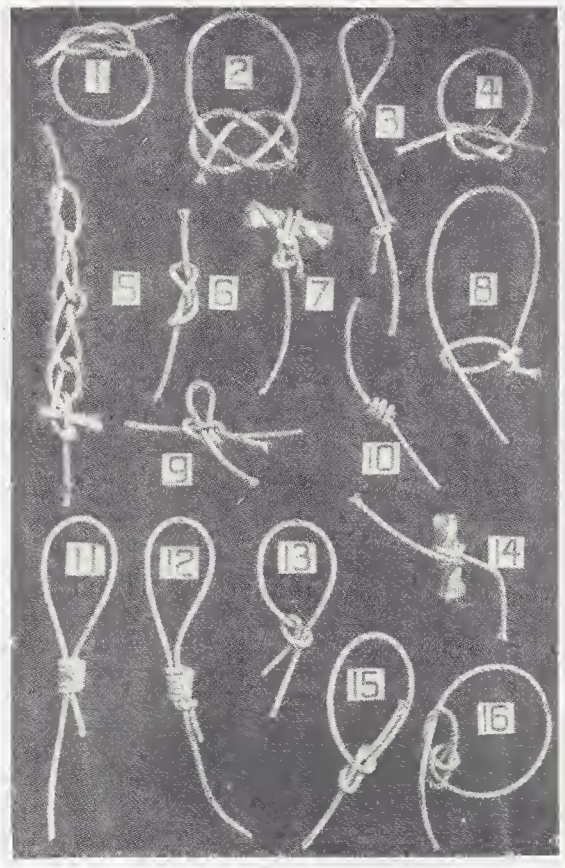
The Boy Scout Court of Honor of the Sweetwater District was held at Superior, Monday evening, May 16.

A very fine program was arranged by Troop No. 165, under the direction of Scoutmaster J. H. Haueter. All of the Troops from Rock Springs and the surrounding districts were represented and bent their efforts to make this Court of Honor the real success it proved to be.

The large turnout generously applauded and it is expected in a later issue to give fuller details.

Scout Knots

The work of Boy Scouting embraces the tying of knots, the splicing of ropes, making hitches, etc., etc., and the plate exhibited herewith upon which are shown a collection of sixteen will prove of interest not only to the boys, but others, we hope.



1. Granny or Lubber's knot.
2. North Stafford knot.
3. True lover's knot.
4. Reef or square knot.
5. Chain plait and toggle.
6. Stevedore's knot, figure 8 and Blackwall hitch combined.
7. Fisheman's bend.
8. Lariat knot.
9. Weaver's knot.
10. Blood knot.
11. Hangman's knot.
12. "So-called" hangman's knot.
13. Marlin spike hitch.
14. Clove hitch.
15. Single bowline.
16. Running bowline.

"OH BOY . . . CAMP TIME'S COMING"

Like all true outdoors men, Scouts find real enjoyment in planning and equipping for their camping trips.

GOT HIS NECKS TWISTED

Sunday School Teacher: And when the prodigal son returned, what happened, Tommy?

Tommy: His father ran to meet him and hurt himself severely.

Teacher: Wherever did you get that impression?

Tommy: It says so right in the Bible—that his father ran to meet him and fell on his neck.

Our Little Folks

Oldest Trees In the World Are Measured

The task of measuring what are considered by engineers to be the four largest and oldest living trees in the world today has just been completed.

As the result of this investigation, the General Sherman tree in Sequoia National park is thought to be the largest and the General Grant tree in General Grant National park is believed to be the oldest.

In measuring the trees and determining their height, volume in cubic feet, perimeter and diameter at various heights, the General Sherman tree was found to contain 600,120 board feet or enough wood to erect 40 five-room homes covering three city blocks. One limb of this tree has a diameter of nearly seven feet at its base.

The General Grant tree with a volume of 542,784 board feet has a larger perimeter at the base than the General Sherman tree and is known to be the older of the two. It has been estimated that both of these trees would provide sufficient lumber to erect a one-inch square fence railing extending from the Atlantic to the Pacific.

Why You Cry

YOU cry because your brain is made so as to act that way. We do not know why your brain should be so made, for though there is much use in tears when we are not crying, yet there is no real use in crying when we are hurt.

When people grow older they find this out, and usually they do not cry when they are hurt. The highest part of the brain—where people themselves really live—is the master of the lower part of the brain and can order it to do things, and forbid it to do things, as it likes.

Now, it is the lower part of the brain that replies by crying when we are hurt, so that even the tiniest baby can cry perfectly. But when we grow older we tell the lower part of the brain that it must not do as it feels inclined to do, and so we stop crying.

Somewhat Mystifying

This simple trick with figures is sure to mystify your friends. Tell some one to write down the number 142,857. Next, ask a member of your audience to name a number between one and eight, and multiply 142,857 by the selected number. The number chosen may be two, three, four, five, six or seven.

Now multiply 142,857 by two, three, four, five or six, and you will find that the same figures ap-

ROSE FLOWER AND GIFT SHOP
Security Bank Court ROCK SPRINGS Phone 123-W
"NOTHING TAKES THE PLACE OF FLOWERS"
Our Floral Work Is Unexcelled. One Price to All.

pear in each of the five results, but in a different order. For example, say the figure 2 is chosen. The result is 285,714. Then someone else chooses the figure 6. The result is 857,142. Thus for the second time the same six figures appear in the result, but in a still different arrangement.

If someone happens to choose the number 7, you announce that the answer will be found on the other side of the paper. Of course, before performing the trick you have written the figures 999,999 on the reverse side of the paper and wait for someone to choose number 7.

To Preserve Children

Take one large, grassy field, half a dozen children, two or three small dogs, a pinch of brook and some pebbles.

Mix the children and dogs well together and put them in field, stirring constantly.

Pour the brook over the pebbles, sprinkle the field with flowers; spread over all with a deep blue sky and bake in a hot sun. When brown, remove and set to cool in a bathtub.

"THE SPIRIT IS WILLING . . . "

The bargaining for a cow had been going on leisurely for an hour. Finally the prospective purchaser came flatly to the point.

"How much milk does she give?"

"I don't rightly know," answered the farmer who owned her, "but she's a good-natured critter, and she'll give all she can."

"When better Automobiles are built, Buick will build them."

VICARS BUICK COMPANY

SALES and SERVICE

Phone 207-W Rock Springs

MASTER *of mud and macadam*
---effortless at 8 or 80
---today's value marvel
---that's Dodge

Dodge $795

Do you know the starting difference between FLOATING POWER (patented and fully protected) and ALL other engine mountings?

New Low Prices—New Dodge Six $795 to $895. New Dodge Eight $1,115 to $1,185, F. O. B. Factory. Low delivered prices. Convenient terms. Five wire or demountable wood wheels, no extra cost. Duplate safety plate glass at new low price, Automatic Clutch standard on Eights; only $8 additional on Sixes. Closed models factory-wired for Philco-Transitone Radio.

DODGE TRUCKS . . . ½ to 7 TONS PAYLOAD . . . $375 and UP.

Phone 601 McCURTAIN MOTOR CO. Rock Springs

News About All of Us

Rock Springs

Mrs. H. C. Livingston and small daughter have returned from an extended visit with relatives in Colorado.

Mr. and Mrs. Chris Johnson have returned to Salt Lake City, Utah, after a visit with their son, Clarence Johnson, and family.

Benjamin Butler, Jr., is recovering from an operation for appendicitis recently undergone at the Wyoming General Hospital.

Mr. and Mrs. Lester Williams are the proud parents of a baby daughter, born April 18th.

Mrs. William Matthew has returned from a visit in Hanna.

Mrs. James B. Libby, of Cheyenne, visited here at the home of her son, James L. Libby.

William Welsh, Jr., is a surgical patient at the Wyoming General Hospital.

Mr. and Mrs. Earl Parr, of Hiawatha, Utah, are visiting at the home of Mr. Parr's parents, Mr. and Mrs. Edw. Parr.

Robert, son of Mr. and Mrs. Thos. Overy, Sr., has gone to Lincoln, Neb., where he will start training to become an aviator.

John Kudar, Sr., who has been confined to the Wyoming General Hospital with illness for the past month, is now rapidly recovering, and has returned to his home on Clark street.

John Freeman and P. C. Hood have returned from Cheyenne, where they attended the District Convention of the U. M. W. of A.

C. R. Berry and family are moving into the house recently vacated by Marko Shimatovich, on Eleventh street.

Stanley Hovorka and family, of Provo, Utah, visited here with his brother, Leonard Hovorka, and family.

Frank Bergamo is confined to his home with an attack of rheumatism.

Superior

The Pythian Sisters held an interesting meeting Wednesday evening, April 6th, when they entertained officers and other guests from Rock Springs.

Saturday evening, April 9th, Mrs. A. L. Keeney entertained her 500 Club at the Club House. Luncheon was served by the hostess, and at cards awards were as follows: First, W. H. Richardson and Mrs. Joe Mettam; second, Mr. Fred Robinson and Mrs. Arkle; consolation, Mr. Hill and Mrs. C. O. Larson.

Mrs. B. L. Dodds entertained the Cumberland 500 Club at her home on B Hill Friday, April 15. A delicious lunch was served by the hostess, and prizes were won by Mrs. Nick Sutler, Mrs. George A. Brown and Mrs. Fred Robinson and guest, Mrs. Hugh McLean.

Miss Florence Sturholm was a week-end guest of her sister, Miss Ingred Sturholm, during the month.

Doris Robinson, of Rawlins, visited the home of her parents, Mr. and Mrs. Fred Robinson, over the week-end.

Mr. and Mrs. C. A. Murray, of Reliance, were Sunday dinner guests at the home of their daughter, Mrs. Stanley Lisher, during the month.

Superintendent A. L. Keeney, accompanied by Mrs. Keeney and daughter, Gwynn, motored to Laramie Friday, April 22, where he attended the fifth annual Conference of Wyoming School Administration, held under the auspices of the University of Wyoming.

A wedding of interest occurred Saturday, April 16, at Green River, when Miss Marie Marietta and Joe Zampedri were married. A 6 o'clock dinner was served at the home of the groom's parents, Mr. and Mrs. Enrico Zampedri, at Superior. The evening was spent in dancing.

Superior schools held their annual exhibit Friday afternoon and evening, May 6th.

The Junior Prom, held Saturday evening, April 30, which was arranged by Robert Outsen, was an outstanding success. The gymnasium was decorated with purple and gold, the class colors. About 150 couples were in attendance.

Winton

A general Safcty Meeting was held the early part of the month, a safety talk being given by Mr. V. O. Murray. An interesting picture on the manufacture of wire rope and bridge building was shown, following which dancing and a lunch were enjoyed by the large crowd that attended.

The Senior Class of the Reliance High School gave a

OLD TIMERS
are extended a cordial invitation to see
THE GRAHAM BLUE STREAK
NOW ON EXHIBITION
THE EXCELSIOR GARAGE
836 Pilot Butte Ave. Rock Springs

Rock Springs Electric
J. W. HOLT, Prop.
Announces
Better Refrigeration
at Lowered Cost . . .
The Frigidaire
MORAINE
Electric Refrigerators
As Low As
$157.00 (4 cu. ft.)
Other models up to 18 cu. ft. capacity at Proportionately Lowered Prices.
Phone 575

WESTERN AUTO TRANSIT COMPANY
Established 1910
Phone 109 HUDSON 8 HUDSON — ESSEX ESSEX SUPER SIX Rock Springs
Sales and Service

very successful card party at the Community Club House during the month.

Mrs. Garner Adams was operated on for appendicitis at the hospital in Rock Springs and is doing very nicely at this writing.

Thomas Thomas (Goat) has left Winton to live in Colorado.

The Woman's Club sponsored a very entertaining musical program in keeping with Music Week. Mrs. Sprowell was in charge and efforts were made to have all the local talent available on the program.

Jack and Edward Vickroy and families returned to Iowa to live.

Dr. Krueger spent the week-end in Casper attending the State Medical meeting.

The Woman's Club raffled off a quilt which was made by the members of the club, the proceeds being given to the Senior Class of the Reliance High School. Mrs. William Russell was the lucky winner.

Mr. and Mrs. Andrew Spence visited at the home of her mother in Hanna during the month.

Mrs. Hans Madsen was called to Denver on account of the death of her father. The community extends sympathy.

Tony Splich is confined to his home with rheumatism.

Albert Hornsby and John L. Jenkins have returned home from the U. M. W. of A. meeting held in Cheyenne.

Reliance

Mrs. H. A. Lawrence and daughter, Billie, and Mrs. J. Fuhrer were recent Green River visitors.

Miss Beverly Bivens is able to be back in school again after her recent illness.

Mrs. James Sellers entertained friends at a surprise birthday party in honor of Mr. Sellers, and a very enjoyable evening was spent.

Tom Christie, of Rock Springs, visited at the home of Mrs. H. M. Kelley recently.

Mr. and Mrs. Wm. Greek and family have moved to Eden Valley, where they will locate. The community wishes them success in their new home.

James Zelenka and Guy Thomas attended the U. M. W. convention in Cheyenne.

Douglas Rahm, Jr., small son of Mr. and Mrs. D. Rahm of Pinedale, is visiting with his grandparents, Mr. and Mrs. Wm. Telck.

Mrs. Wm. Pryde and Miss Mary Pryde, of Rock Springs, visited with friends here recently.

Miss Dorothy Robertson spent the week-end with relatives in Superior.

Mr. and Mrs. F. L. Roberts, of Rock Springs, visited at the home of Mrs. Hugh Kelley.

Miss Helen Hartney, Jack Hartney and Miss Ellenor Pryde attended the Junior Prom here and spent the following Saturday with Mrs. R. Ebeling.

Mr. and Mrs. Sam Dexter, of Superior, visited at the home of Mrs. Jane Robertson.

Mrs. James Massie and children, of Sweetwater, visited at the home of Mr. and Mrs. Jack Rafferty.

Miss Evelyn Zeiher is visiting at the Wm. Rodda home in Rock Springs.

News was received here of the arrival of a baby girl to Mr. and Mrs. Matt Tolar, of Rock Springs. Mrs. Tolar was formerly Miss Elinor Bastalich, who at one time resided here.

Mr. and Mrs. Joe Miller, Jr., are receiving congratulations upon the arrival of a baby son April 25th.

Mr. and Mrs. D. Baxter and daughter visited in Ogden, Utah, recently.

Miss Anna Baird and mother, of Winton, visited at the James Sterling home.

Hanna

The Girl Scouts, assisted by their captain, Mrs. Henry Jones, entertained at a mother and daughter banquet at the Community Hall on April 23rd, a fine program being carried out, with the smaller girls acting as pages and ushers. Very interesting talks were given by Miss Dorothy Cook, Virginia Wilkes and Mrs. Henry Jones. These were followed by tap dancing by Margaret Bamber, Donna Jean Jones and Betty Peterson. A banjo solo was given by Flossie Bedford. Mrs. Jones was presented with a lovely gift as a token of their appreciation by the Girl Scouts.

The K. of P. Lodge entertained their families and the Pythian Sisters at a home talent show at the Theatre on Saturday evening, April 23rd. The show consisted of "The Womanless Wedding" and "Good Morning, Mr. Goof," two comedies which were very ably presented by a cast of men only. The show was followed by a dance and refreshments.

The marriage of Miss Alyce Denny and James Campbell was solemnized at the First Presbyterian Church in Salt Lake City on April 22nd. Mrs. John Campbell and Miss Lena Campbell accompanied them and were the only at-

Eden Valley Dairy

IS PREPARED TO SUPPLY

OLD TIMERS

with high grade milk from the best equipped and most modern plant in this section of Wyoming.

We hope to do business on a basis that will some day let us also be listed among worthy

OLD TIMERS

EDEN VALLEY DAIRY
114 Bank Court Phone 694
Rock Springs, Wyoming

A Full and Complete Line of **SUITCASES** and **TRUNKS**

135-137 K Street **Cohen's Chicago Bazaar** ROCK SPRINGS

tendants. They returned on Monday, April 25th, and will make their home in Hanna.

Mrs. J. H. Lemoine is convalescing from an appendicitis operation performed at the Hanna Hospital.

Mr. and Mrs. Clyde Barton are receiving congratulations on the arrival of a baby girl born on April 21st.

The Pythian Sisters entertained at a 6 o'clock banquet at the Community Hall on April 25th in honor of their Grand Chief, Mrs. Alberta Rodda. After the banquet the members attended the business meeting at the Lodge Hall, which was followed by a dance at the Community Hall. Out-of-town visitors were: Mrs. Chas. Clark, Mrs. Gaylord and Mrs. Soltie of Superior, Mrs. Wm. Mathew of Rock Springs, Mr. and Mrs. Hays of Rawlins, Mrs. Wm. Johnson of Parco, Mrs. Adamsky, Mrs. Buckley, Mrs. Olson, Mrs. Nelson, Mrs. Nemino, Mrs. Wilhelm, Mr. and Mrs. Dutcher of Cheyenne.

Mr. and Mrs. John Penny motored to Colorado recently to visit relatives.

Miss Amelia Leino, in nurses training in Chicago, is visiting her father and sisters while convalescing from an appendicitis operation.

Mrs. Chas. Mellor, assisted by Mrs. Maynard Withrow and the First Aid Girls, surprised her daughter, Mildred, with a birthday party at the Community Hall on May 3rd. The evening was spent in games and dancing, followed by delicious refreshments.

Rev. and Mrs. Wilson entertained the members of the Methodist Church at a 6 o'clock dinner at the Community Hall on May 7th.

Mothers' Day services were held at the Methodist church Sunday morning at 11 o'clock. Carnations were presented to the mothers present by the girls of Mrs. Joseph Briggs' class.

The annual Mothers' Day exercises under the auspices of the Hanna Aerie No. 1919, F. O. E., were held in the Theatre on May 8th at 1:30 P. M. The following program was given:

Overture	High School Orchestra
Invocation	Rev. Evjen of St. Mark's Episcopal Church
Songs	Grade Scholars
Address of Welcome	Worthy President Bert Taylor Hanna Aerie 1919, F. O. E.
Mothers' Day Address	Harry W. Fox of Cheyenne
Instrumental Duet	School Scholars
Songs	Ladies' Auxiliary of Eagles
Fan Dance	Japanese School Children
Selections	Grade Children's Orchestra
Play	High School Seniors
Benediction	Rev. Wilson of the Methodist Church
Home Sweet Home	Entire Assembly

The committee in charge was Geo. Crank, N. Smith, Robert White, Geo. Wales, James Hearne and Jack Pickup. All enjoyed the very interesting program.

The death of Mrs. Baldwin came after an illness of only a few days. She passed away on Monday, May 9th, at the age of 72. Sympathy is extended to her son-in-law, Harry Bowers, and her grandchildren, Louise and Edward Bowers, in their bereavement.

Mr. and Mrs. James Walsb, Jr., of Rock Springs, were called here by the illness of their aunt, Mrs. Baldwin.

The High School annual picnic was held at Elk Mountain on May 10.

Sympathy is extended Mr. and Mrs. Chas. A. Mellor in the death of their infant son, which was born on May 6th and lived only a few days.

Tono

The Lewis District of Christian Endeavor held its convention at Centralia April 8 and 9. It is composed of two societies, the Intermediate and the Juniors. The Intermediates of Tono won the district award for the most registered delegates attending all sessions through the convention. President Stella Barrett, Junior division, was presented with the Junior C. E. pin because the Junior society

G R E E T I N G S!

From
ONE OLD TIMER
To
ANOTHER

FIRST SECURITY BANK
OF ROCK SPRINGS

44 years of Banking
Service to Our
Community.

OLD TIMERS INVITED TO VIEW THE WONDERFUL
CHRYSLER and PLYMOUTH
UNION MOTOR COMPANY
270 Elk Street PHONE 77 Rock Springs

KELLOGG LUMBER COMPANY

Building Materials and Paints
General Contractors
ROCK SPRINGS, WYOMING

from Tono had the most registered delegates present. Marie Davis of the Junior society received a pin in the Scripture memory contest and will represent their district at the State convention at Vancouver, Wash.

Mr. and Mrs. Charles Friend and son, Byrd, and Mr. and Mrs. John Robertson, of Hannaford Valley, were in Tacoma to visit with Mr. Friend's and Mrs. Robertson's father, John Friend, who is convalescing from an operation.

Fortunad Yedloutschnig visited in Portland, Ore., with his parents, Mr. and Mrs. Fred Yedloutschnig.

Mr. and Mrs. James P. Forsyth entertained with dinner Monday evening, April 18th, in honor of her daughter Evelyn's tenth birthday. A lovely dinner was served at 5 o'clock from a beautifully appointed table. A birthday cake was given to the honor guest by her grandmother, Mrs. James Forsyth of Morton. Mrs. Forsyth was assisted in serving by Mrs. C. E. Richardson and Mrs. Leach of Bucoda. After dinner the balance of the evening was spent in playing games.

Helen Wirta and Jeanette McClure of Chehalis visited with Leona Sheldon at the home of her uncle and aunt, Mr. and Mrs. James Sheldon.

Mr. and Mrs. Joe Adams and daughter, Virginia, visited with friends and relatives in Tacoma.

Mr. and Mrs. John Schuck of Olympia were in Tono visiting with friends. While here they were dinner guests of his parents, Mr. and Mrs. M. J. Mardicott.

Mr. and Mrs. Loren Raulst moved in the home vacated by Mr. and Mrs. J. K. Johnson on Second Hill.

Mr. and Mrs. John Hirvela and family visited in Kalama with Mrs. Hirvela's parents.

Harry Schuck and Jimmie Dodd, of Seattle, were in Tono visiting with the former's parents, Mr. and Mrs. M. J. Mardicott, and while here renewed acquaintances with old friends.

Steve Fusco and William Fusco were in Cle Elum and Seattle on business. While in Seattle they visited with brother Joe.

Mr. and Mrs. C. N. Price and son, Jimmie, of Seattle visited with Mrs. Price's parents, Mr. and Mrs. Joe Patterson.

Mr. and Mrs. Al Martina and daughter, Nadine, of Enumclaw, Wash., visited with Mr. and Mrs. M. J. Mardicott and with the former's son, Mr. William Martina, and family.

Mr. and Mrs. Bert Peterson, Jr., and Kate Peterson motored to Ilwaco, Wash., where they visited with friends.

Little Bobbie Clark, son of Mr. and Mrs. George Clark, is sick in the Centralia Hospital with pneumonia.

Mr. William Hudson, who had been visiting with his daughter, Mrs. M. Greene, in Port Angeles, returned home to his son, John Hudson.

Mr. and Mrs. Henry Brierley of Puyallup announced the marriage of their daughter, Myrtle, to Mr. Herbert Wade, of Kelso, Sunday, May 1st, 1932. They were married in Tacoma, and after a short wedding trip will be

Your body needs fuel foods to keep it warm and give it power to work . . .

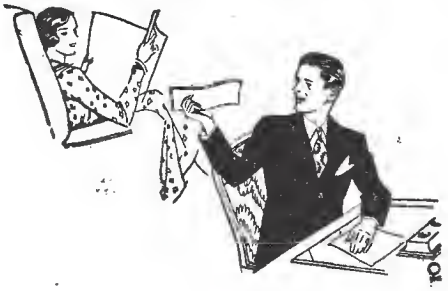
—from "Getting the most for your food money" prepared by U. S. Department of Agriculture.

"All grain foods are cheap body fuels." Crackers are made of grain, milk, shortening, salt, water, honey, etc. Supreme Bakers' Crackers are rich in energy values, as proved by Government figures. Eat more of them for energy, economy, health!

SUPREME THE MERCHANTS BISCUIT CO. DENVER BAKERS

YOUR SUPREME BAKERS

The Merchants Biscuit Company
DENVER



"PAID BY CHECK"

MEANS PEACE OF MIND

"I KNEW I had paid that bill, and here's the proof—my cancelled check."

Mistakes occur in the best of families, but a cancelled check clinches any argument over bills. A checking account also shows to the penny how much your living costs.

We offer the facilities of our splendid organization to people of responsibility. Come in and get acquainted today.

THE ROCK SPRINGS NATIONAL BANK

ROCK SPRINGS, WYOMING

Welcome Old Timers

E. MOSHER

INC.

549 North Front Street

GEORGE H. HOLBROOK, Manager

MEN'S CLOTHING
SHOES, HATS and
FURNISHINGS

Union Made
Work Clothes
and Shoes.

TEXACO

IT PAYS . . . DRAIN—FILL

then

LISTEN

TEXACO MOTOR OIL

"Crack-Proof" . . . . "Lasts Longer"

home to their friends at Silver Lake, near Castle Rock. Friends will remember Mrs. Wade as primary teacher at the Tono School last year and was a graduate of the Tono Grade School and from the Tenino High School.

Joe Fusco, of Seattle, spent a few days visiting with his father, brothers and sisters.

Mr. and Mrs. Fred Pontin entertained in honor of their daughter Ruth's birthday. All schoolmates of her room were present. The afternoon was spent playing games, after which a lovely luncheon was served by her mother. The honor guest received many beautiful presents.

Mr. and Mrs. Perry Richardson and daughter, Lucille. Mr. and Mrs. John Monaghan and daughter, Phyllis, and Mr. and Mrs. C. E. Cook and Mrs. Pete Shimmel attended the card party and dance at the Oakview Grange.

Warren Simons, of Tono, accompanied by Patrick Corcoran, of Olympia, motored to Bremerton, where they visited with friends over the week-end.

Mr. and Mrs. Robert Murray and Hulda Rankin visited at Silver Creek with Mr. and Mrs. C. V. Rankin and family.

Mr. M. H. Messinger, Store Manager of the Washington Union Coal Company store, and Mrs. Lottie Adams, of Seattle, were married in Seattle Tuesday, April 12th, at the Presbyterian Church.

Mr. and Mrs. Pat Barrett entertained at dinner Mrs. Frances Flani and daughters, Mae and Margaret, and sons, Nat and Paul, and Mr. and Mrs. Robert Vernon and daughter and Mr. William Couch and Mrs. John Schuck of Olympia.

Mrs. Frare and daughters, Edith and Millie, and son, Antonio, of Tenino, visited with the former's daughter, Mrs. Joe Adams, and family and attended the program given by the Tono School at the Community Hall the same evening.

Mrs. Dick Price and sons, of Long Beach, visited with Mr. and Mrs. Robert Murray.

Mrs. John Cowell of Seattle visited with Mr. and Mrs. John Isaacson. While here she visited many of her old friends.

Mr. and Mrs. Todd Dove and daughter, of Centralia, visited with relatives in Tono. While here they were house guests of Mr. and Mrs. Bert Boardman.

Kate Peterson spent a few days visiting in Bucoda. While there she was guest of Harriot Sanford.

Henry Cowell and Elizabeth Ring, of Seattle, were in Tono visiting with the latter's parents, Mr. and Mrs. Fred Ring. Alice Beverley Cowell, who had been visiting with her grandparents for the past two weeks, returned home with her father.

Carrie Tamborini, assistant superintendent at the Furland Sanitorium at Richmond Highlands, near Seattle, spent a few days in Tono visiting friends. She was house guest of Mr. and Mrs. John Isaacson.

GRAND CAFE
Opposite U. P. Depot Rock Springs

BEST THE MARKET AFFORDS HERE AT ALL TIMES

ALWAYS OPEN

Don't forget Our standards { Cleanliness, Quality, Service, Reasonable Prices

OLD TIMERS ARE WELCOME.

The Office Broom

Two young miscreants from Colorado appropriated the new Ford belonging to Fred A. Graf from its parking place in rear of General Office building, headed east and were "picked up" by the Sheriff near Baggs. They are now languishing behind the bars and will have a trial at the next term of the District Court. The Reform School will house them for the next few years—our guess.

New Fork Lake is to be stocked with many thousands of the finny tribe. This will be good news to the many fishermen who frequent that vicinity, as well as to the Scout troops who camp there during the summer months.

Wendell Clark. Mine Clerk at Superior, and family are "vacating" in California.

Mr. Pryde has blossomed out with a fine new Dodge Sedan, and it's a beauty. Company car, of course!

And now comes Dave Bell with a brand new Plymouth. Someone told me Dave owned about the first car operated in Rock Springs.

Ed. Prieshoff has returned from Denver and reports his eyes greatly improved. His wife is also back from a month spent in California.

The tug-of-war teams, horseshoe pitching enthusiasts, are all hard at work in practice games preparatory to Old Timers' Reunion. Boccie Balle aspirants to fame are also to be seen on every vacant lot.

"Bunny" Livingston is the latest to take up the ancient game of golf.

"Pardon me," said the golfer, as he caught up to the members playing ahead of him. "Would you mind if I played through? I've just heard my house is on fire."

Two Scotchmen met on the street. The one recognized that the other was happy, so he handed him a dollar bill and said. "Well, Sandy, here's the two dollars I owe you."

A traveling salesman from Glasgow was standing in a Belfast street watching the sights when a hand came around the corner playing for dear life. The day was hot. The bandsmen had their coats off. Having no one to talk to, the man from Glasgow stepped up to an Irishman and said, with a smile: "I see they have their coats off to play the hand here?" "Begory, and that's nothing," said the Irishman. "When I was in Scotland I noticed that they had to take their pants off to play the bag pipes!"

One of our employes tells this one about his little girl.

The teacher had been discussing heaven and the merits thereof, and asked the class to raise their hands if they wanted to go to heaven. Little Miss Blank did not raise her hand, so the teacher asked her why. She replied:

"Mamma told me to come straight home from school."

Old Timers

When in the city are requested to visit our display rooms and see the

CHEVROLET

SYNCRO-MESH
FREE WHEELING
DOWN DRAFT CARBURETION

UTZINGER CHEVROLET COMPANY
ROCK SPRINGS, WYO.

THE
Cottage · Art · Studio

South Front Street
(Next to Grand Cafe)

Welcome Old Timers
To Our Studio

WHILE attending the Reunion improve the opportunity by having your picture taken.

Make our Studio your headquarters when in town.

Phone 91-W **Home Phone 420-W**
A. & K. St. Croix

WELCOME OLD TIMERS

Accept Our Felicitations on This Anniversary

WE Too Have Endeavored
to Serve You Faithfully
For Over Forty Years.

STOCK GROWERS MERCANTILE CO.
ROCK SPRINGS

JOSEPH SCHOTT

Garden Hose,
Window Glass, Paints, Oils, Varnish,
Stoves . . . Stove Repairs and Parts,
Ranges and Kitchen Utensils.
Coal Drills and Repairs to Same.
Mining Tools.

128 K STREET ROCK SPRINGS

E. L. WETZEL

CLEANING AND PRESSING OF FINE CLOTHES SOLICITED

From Office Assistants, Teachers and Others.

TELEPHONE 158W

TELEPHONE 169

LEWIS H. BROWN

ATTORNEY-AT-LAW

First Security Bank Building

ROCK SPRINGS, WYOMING

ON ROCK LO CAFE

Phone 237-J

527 No. Front Street Rock Springs

Always Open

Short Orders Our Specialty
Our Meals Give Satisfaction

Union Pacific Stages Ticket Office.

Your best servant is

ELECTRICITY

USE IT FREELY

Our service is adequate and dependable, an important factor contributing to the better standards of living.

SOUTHERN WYOMING ELECTRIC COMPANY

Telephone 901 Rock Springs, Wyoming

Ideal gifts FOR THE GRADUATE

Lingerie -- Every girl hopes to receive dainty lingerie as graduation gifts. You will find the very newest items on display.

Silk Ties -- Brilliant colors and patterns offer you distinctive ties that will add that touch of color desired by the well dressed graduate.

Silk Hose and Silk Socks --
An exceptionally new shipment of new Mesh Silk Hose for the girls in all the new shades, also novelty stripe socks, perfect fitting and fast color—all with double reinforced toe and heel.

WASHINGTON UNION COAL COMPANY STORE
TONO, WASHINGTON

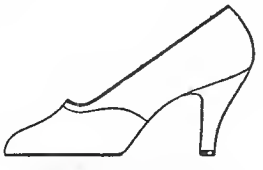
Telephone 111 ROCK SPRINGS

TOM THUM
ICE CREAMS
SHERBETS - BRICKS

Supplies and favors for
Parties and Banquets

Home Made Candy

Headquarters for Greeting Cards, Magazines and Stationery



WHITE!

So-good this season! These white kid pumps are just what you'll want for your new white costume. Penney's price is only

$2.98

J. C. Penney Co.,
Inc.
421 No. Front St.,
Rock Springs, Wyo.

NORTH SIDE STATE BANK

ROCK SPRINGS, WYOMING

EXTENDS CORDIAL GREETINGS TO

Old Timers

Capital	$100,000.00
Surplus	$100,000.00

WESTERN CAFE
Rock Springs

Quality Foods at Reasonable Prices
U. P. Bus Depot
OPEN DAY AND NIGHT

403 North Front St. Phone 785

FOUNTAIN SERVICE
Meals At All Hours.

MILLER'S PHARMACY
LABOR TEMPLE

Prescription Druggists

Your Patronage Appreciated

Phone 7 Rock Springs

T. Seddon Taliaferro, Jr.

ATTORNEY

Rock Springs, Wyoming

PLAYMORE

BOWL FOR HEALTH

Emil Bertagnolli
Bob Oliver } Managers

Buy your...
FRUITS and VEGETABLES
at our market
where you are assured a choice selection and a fresh supply at all times.

PEOPLES FRUIT MARKET
ROCK SPRINGS
Phone 701
Corner Pilot Butte Avenue and K Street

We salute you Old Timers,
you pioneers of Rock Springs and Surrounding Camps
We hope the fruits of your labors are sweet to you.

NEW STUDIO
For 12 years your photographer.
444 So. Front St.
Phone 167-W
Over Western Union Office
Rock Springs

SARTORIS SCHOOL ... of MUSIC
602 South Front Street
ROCK SPRINGS Phone 283-W
Teaching all Instruments
Leo Hovorka in charge of Piano and Violin Departments.
Three Bands and Three Orchestras.
Plenty of Opportunity for Class Practice.

Plumbing and Heating Contractors
Dealers in Plumbing Supplies

Rock Springs Plumbing Company
Matt Steffensen, Prop.

324 Grant Street Phone 160
ROCK SPRINGS, WYO.

Hurst Dairy Company

IT IS BETTER TO BE SAFE THAN SORRY

WE HANDLE the best obtainable in the Dairy line and you pay the same or only a fraction more than for the ordinary or inferior Milk, Cream, Buttermilk and Ice Cream.

—

CLEAN - SAFE - HEALTHFUL DAIRY PRODUCTS

Phone 747-W Rock Springs

Acme Glass & Paint Co.

V. A. FISHER, Prop.

Phone 690 Rock Springs, Wyo.

NEW LOCATION, 535 North Front St.

Painting - Paper Hanging
Auto Glass - Window Glass - Mirrors

Headquarters for Muresco, Paints, Enamels, Varnishes and Brushes

WE FRAME PICTURES

LINCOLN MARKET

Phone 310 ROCK SPRINGS

SEE US FOR
OUR SPECIALTIES

—

Fresh Killed Poultry
Real Omaha Corn-Fed Beef

H O W A R D ' S

Corner So. Front and C Streets
Rock Springs, Wyo.

—

Good Things to Eat

The Best Place in the City.

JOHN BUNNING

LONG DISTANCE MOVING
HEAVY HAULING

BAGGAGE TRANSFER—STORAGE

CRYSTAL ICE

Rialto Building ROCK SPRINGS
Phone: Day, 375; Night, 140

Rock Springs Floral Shop

Established 1921

MRS. J. S. SALMON, *Proprietor*

116 K Street Rock Springs

—

Cut Flowers and Plants
For All Occasions

—

Leading Florist of the District
GIVE US A CALL Phone 61

ROCK SPRINGS STEAM LAUNDRY

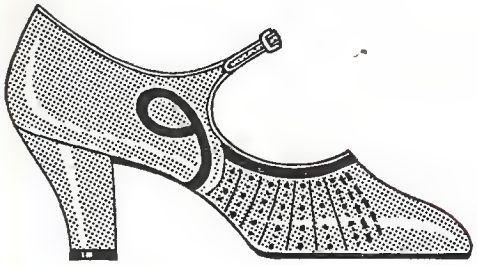
SMITH BROS., Props.

Rock Springs Phone 18

DANGER

LURKS IN DIRTY CARPETS, LACE CURTAINS, RUGS AND BLANKETS.

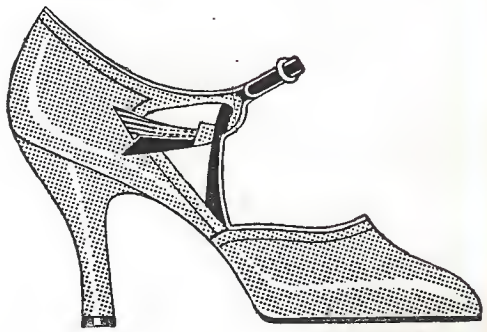
Colorful shoes for your colorful summer dresses!



PETERS DIAMOND BRAND SHOES

Summer brings new revelations in fashions.

It's a feminine season with dainty colorful dresses.



SHOES SHOULD HARMONIZE

Our new styles Please Everyone

Prices are so low, ranging from $1.94 a pair up. Styles and colors are so numerous we cannot attempt to describe them in this ad.

THE UNION PACIFIC COAL COMPANY STORES

"Where your dollar is a Big Boy all the time"

Rock Springs
Reliance
Superior
Hanna
Winton

2004.013.0007a-k